



ANALYTICAL DATA REPORT

JMC Environmental Consultants
2109 Bridge Avenue
Building B
Point Pleasant, NJ 08742

Project Name: ARSYNCO
IAL Case Number: E13-10033

These data have been reviewed and accepted by:

A handwritten signature in black ink, appearing to read "Michael H. Lefrin".

Michael H. Lefrin, Ph.D.
Laboratory Director

This report shall not be reproduced, except in its entirety, without the written consent of Integrated Analytical Laboratories, LLC. The test results included in this report relate only to the samples analyzed. The results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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IAL is a NELAC New Jersey Certified Lab (14751) and maintains certification in Connecticut (P-0699), New York (11402), Rhode Island (00126), Pennsylvania (68-00773) and in the Department of Navy IH QA Program.

Sample Summary

IAL Case No.

E13-10033

Client JMC Environmental Consultants

Project ARSYNCO

Received On 10/ 9/2013@16:30

<u>Lab ID</u>	<u>Client Sample ID</u>	<u>Depth Top/Bottom</u>	<u>Sampling Time</u>	<u>Matrix</u>	<u># of Container</u>
10033-001	HH-39 (0-1.0)	0/1	10/ 9/2013@10:05	Soil	1
10033-002	HII-39 (1.0-2.0)	1/2	10/ 9/2013@10:06	Soil	1
10033-003	HH-38 (0-1.0)	0/1	10/ 9/2013@10:25	Soil	1
10033-004	HH-38 (1.0-2.0)	1/2	10/ 9/2013@10:26	Soil	1
10033-005	HH-38 (2.0-3.0)	2/3	10/ 9/2013@10:27	Soil	1
10033-006	GG-38 (0-1.0)	0/1	10/ 9/2013@10:51	Soil	1
10033-007	GG-38 (1.0-2.0)	1/2	10/ 9/2013@10:52	Soil	1
10033-008	GG-38 (2.0-3.0)	2/3	10/ 9/2013@10:53	Soil	1
10033-009	GG-38 (3.0-4.0)	3/4	10/ 9/2013@10:54	Soil	1
10033-010	BB-41S (5.0-6.0)	5/6	10/ 9/2013@11:40	Soil	1
10033-011	CC-39N (5.0-6.0)	5/6	10/ 9/2013@12:15	Soil	1
10033-012	DD-38E (4.0-5.0)	4/5	10/ 9/2013@13:00	Soil	1
10033-013	DD-38E (5.0-6.0)	5/6	10/ 9/2013@13:01	Soil	1
10033-014	FF-36N (5.0-6.0)	5/6	10/ 9/2013@13:33	Soil	1
10033-015	FB-18	n/a	10/ 9/2013@14:00	Aqueous	2

INTEGRATED ANALYTICAL LABORATORIES, LLC.

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This report was finalized on October 24, 2013

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

DEFINITIONS / QUALIFIERS

DATA QUALIFIERS

- B Indicates the analyte was found in the associated method blank as well as in the sample.
It indicates probable laboratory contamination.
- C Indicates analyte is a common laboratory contaminant.
- D Indicated analyte was reported from diluted analysis.
- E Identifies a compound concentration that exceeds the upper level of the calibration range of the instrument for that specific analysis.
- J Indicates an estimated value. This flag is used when the concentration in the sample is below the RL but above the MDL.

REPORTING DEFINITIONS

RL Reporting Limit. The RL is determined by the lowest concentration in the calibration curve. For most Wet Chemistry methods, the RL is defined by using the PQL.

MDL Method Detection Limit as determined according to 40CFR Part 136 Appendix B.

PQL Practical Quantitation Limit. Usually defined as a value 3-5 times the MDL.

ND Indicates analyte was analyzed for but not detected above the MDL.

DF Dilution Factor

LCS Laboratory Control Sample

LCSD Laboratory Control Sample Duplicate

MS Matrix Spike

MSD Matrix Spike Duplicate

DUP Duplicate

CONFORMANCE / NON-CONFORMANCE SUMMARIES

INTEGRATED ANALYTICAL LABORATORIES, LLC.

CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received one (1) aqueous and fourteen (14) soil sample(s) from JMC Environmental Consultants (IAL SDG # E13-10033, Project: ARSYNCO) on October 9, 2013 for the analysis of:

(15) TCL PCB

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:

CJenner

Reviewed by

10/23/13

Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-10033

PCB By 8082A

Batch ID: 131011-12	Matrix: Soil
----------------------------	---------------------

- QC**
- Calibration Curve met QC criteria.
 - Surrogate Percent Recovery met QC criteria.
 - Method Blank met QC criteria.
 - LCS Percent Recovery met QC criteria.
 - MS/MSD Percent Recovery met QC criteria.
 - RPD between MS/MSD met QC criteria.
 - The following samples were cleaned up using method 3660B to remove sulfur: 001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 011, 012
- E13-10033**
- All samples were extracted within holding time.
 - All samples were analyzed within holding time.
 - Retention Time Shift met QC criteria.
 - No dilution was performed for samples 10033 -001 through -012.

Nicole Lohr 10/15/2013
Signature E13-10033 Date 0004

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-10033

PCB By 8082A

Batch ID: 131014-07	Matrix: Soil
---------------------	--------------

- QC**
- Calibration Curve met QC criteria.
 - Surrogate Percent Recovery met QC criteria.
 - Method Blank met QC criteria.
 - LCS Percent Recovery met QC criteria.
 - MS/MSD Percent Recovery met QC criteria.
 - RPD between MS/MSD met QC criteria.
 - The RPD between the primary and secondary column was >40% for the following samples: 014. Per SW-846 8000C, the lower of the two concentrations was reported.
 - The following samples were cleaned up using method 3660B to remove sulfur: 013, 014
- E13-10033**
- All samples were extracted within holding time.
 - All samples were analyzed within holding time.
 - Retention Time Shift met QC criteria.
 - No dilution was performed for samples 013,014.



Signature

10/15/2013

Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-10033

PCB By 8082A

Batch ID: 131014-14

Matrix: Aqueous

- | | |
|------------------|---|
| QC | <ul style="list-style-type: none">- Calibration Curve met QC criteria.- Surrogate Percent Recovery met QC criteria.- Method Blank met QC criteria.- LCS/LCSD Percent Recovery met QC criteria.- RPD between LCS/LCSD met QC criteria.- MS/MSD were not analyzed due to insufficient sample volume. LCS/LCSD were analyzed in their absence to meet method specific QC requirements.- The following samples were cleaned up using method 3660B to remove sulfur: 015- The following samples were cleaned up using method 3665A: 015 |
| E13-10033 | <ul style="list-style-type: none">- All samples were extracted within holding time.- All samples were analyzed within holding time.- Retention Time Shift met QC criteria.- No dilution was performed for sample 015. |

RESULTS SUMMARY REPORT

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: JMC Environmental Consultants

Project: ARSYNCO

Lab Case No.: E13-10033

Lab ID:	10033-015								
Client ID:	FB-18								
Matrix:	Aqueous								
Sampled Date	10/9/13								
PARAMETER(Units)	Conc	Q	MDL						
PCB's (Units)	(mg/L-ppm)								
Aroclor-1016	ND	0.00002							
Aroclor-1221	ND	0.00002							
Aroclor-1232	ND	0.00002							
Aroclor-1242	ND	0.00002							
Aroclor-1248	ND	0.00002							
Aroclor-1254	ND	0.00002							
Aroclor-1260	ND	0.00002							
Aroclor-1262	ND	0.00002							
Aroclor-1268	ND	0.00002							
PCBs	ND	0.00002							
Lab ID:	10033-001	10033-002	10033-003	10033-004					
Client ID:	HH-39 (0-1.0)	HH-39 (1.0-2.0)	HH-38 (0-1.0)	HH-38 (1.0-2.0)					
Depth:	0/1	1/2	0/1	1/2					
Matrix:	Soil	Soil	Soil	Soil					
Sampled Date	10/9/13	10/9/13	10/9/13	10/9/13					
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	(mg/Kg-ppm)			(mg/Kg-ppm)			(mg/Kg-ppm)		
Aroclor-1016	ND	0.104	ND	0.118	ND	0.076	ND	0.092	
Aroclor-1221	ND	0.104	ND	0.118	ND	0.076	ND	0.092	
Aroclor-1232	ND	0.104	ND	0.118	ND	0.076	ND	0.092	
Aroclor-1242	ND	0.104	ND	0.118	ND	0.076	ND	0.092	
Aroclor-1248	4.78	0.104	ND	0.118	14.5	0.076	ND	0.092	
Aroclor-1254	ND	0.104	ND	0.118	9.31	0.076	ND	0.092	
Aroclor-1260	ND	0.104	ND	0.118	ND	0.076	ND	0.092	
Aroclor-1262	ND	0.104	ND	0.118	ND	0.076	ND	0.092	
Aroclor-1268	ND	0.104	ND	0.118	ND	0.076	ND	0.092	
PCBs	4.78	0.104	ND	0.118	23.8	0.076	ND	0.092	
Lab ID:	10033-005	10033-006	10033-007	10033-008					
Client ID:	HH-38 (2.0-3.0)	GG-38 (0-1.0)	GG-38 (1.0-2.0)	GG-38 (2.0-3.0)					
Depth:	2/3	0/1	1/2	2/3					
Matrix:	Soil	Soil	Soil	Soil					
Sampled Date	10/9/13	10/9/13	10/9/13	10/9/13					
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	(mg/Kg-ppm)			(mg/Kg-ppm)			(mg/Kg-ppm)		
Aroclor-1016	ND	0.026	ND	0.060	ND	0.090	ND	0.065	
Aroclor-1221	ND	0.026	ND	0.060	ND	0.090	ND	0.065	
Aroclor-1232	ND	0.026	ND	0.060	ND	0.090	ND	0.065	
Aroclor-1242	ND	0.026	ND	0.060	ND	0.090	ND	0.065	
Aroclor-1248	ND	0.026	5.01	0.060	ND	0.090	ND	0.065	
Aroclor-1254	ND	0.026	6.33	0.060	ND	0.090	ND	0.065	
Aroclor-1260	ND	0.026	ND	0.060	ND	0.090	ND	0.065	
Aroclor-1262	ND	0.026	ND	0.060	ND	0.090	ND	0.065	
Aroclor-1268	ND	0.026	ND	0.060	ND	0.090	ND	0.065	
PCBs	ND	0.026	11.3	0.060	ND	0.090	ND	0.065	

ND = Analyzed for but Not Detected at the MDL

E13-10033 0008

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E13-10033

PARAMETER(Units)	Lab ID:	10033-009			10033-010			10033-011			10033-012				
	Client ID:	GG-38 (3.0-4.0)			BB-41S (5.0-6.0)			CC-39N (5.0-6.0)			DD-38E (4.0-5.0)				
Sampled Date	Depth:	3/4			5/6			5/6			4/5				
Matrix:	Soil			Soil			Soil			Soil					
Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	
PCB's (Units)	<i>(mg/Kg-ppm)</i>			<i>(mg/Kg-ppm)</i>			<i>(mg/Kg-ppm)</i>			<i>(mg/Kg-ppm)</i>					
Aroclor-1016	ND	0.019	ND	0.020	ND	0.021	ND	0.021	ND	0.021	ND	0.021			
Aroclor-1221	ND	0.019	ND	0.020	ND	0.021	ND	0.021	ND	0.021	ND	0.021			
Aroclor-1232	ND	0.019	ND	0.020	ND	0.021	ND	0.021	ND	0.021	ND	0.021			
Aroclor-1242	ND	0.019	0.236	0.020	ND	0.021	ND	0.021	ND	0.021	ND	0.021			
Aroclor-1248	ND	0.019	ND	0.020	0.184	0.021	0.210	0.021	ND	0.021	ND	0.021			
Aroclor-1254	ND	0.019	ND	0.020	ND	0.021	ND	0.021	ND	0.021	ND	0.021			
Aroclor-1260	ND	0.019	ND	0.020	ND	0.021	ND	0.021	ND	0.021	ND	0.021			
Aroclor-1262	ND	0.019	ND	0.020	ND	0.021	ND	0.021	ND	0.021	ND	0.021			
Aroclor-1268	ND	0.019	ND	0.020	ND	0.021	ND	0.021	ND	0.021	ND	0.021			
PCBs	ND	0.019	0.236	0.020	0.184	0.021	0.210	0.021							
	Lab ID:	10033-013			10033-014										
	Client ID:	DD-38E (5.0-6.0)			FF-36N (5.0-6.0)										
	Depth:	5/6			5/6										
	Matrix:	Soil			Soil										
	Sampled Date	10/9/13			10/9/13										
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	<i>(mg/Kg-ppm)</i>			<i>(mg/Kg-ppm)</i>			<i>(mg/Kg-ppm)</i>			<i>(mg/Kg-ppm)</i>			<i>(mg/Kg-ppm)</i>		
Aroclor-1016	ND	0.020	ND	0.018	ND	0.018	ND	0.018	ND	0.018	ND	0.018	ND	0.018	ND
Aroclor-1221	ND	0.020	ND	0.018	ND	0.018	ND	0.018	ND	0.018	ND	0.018	ND	0.018	ND
Aroclor-1232	ND	0.020	ND	0.018	ND	0.018	ND	0.018	ND	0.018	ND	0.018	ND	0.018	ND
Aroclor-1242	ND	0.020	ND	0.018	ND	0.018	ND	0.018	ND	0.018	ND	0.018	ND	0.018	ND
Aroclor-1248	ND	0.020	0.048	0.048	ND	0.018	ND	0.018	ND	0.018	ND	0.018	ND	0.018	ND
Aroclor-1254	ND	0.020	ND	0.018	ND	0.018	ND	0.018	ND	0.018	ND	0.018	ND	0.018	ND
Aroclor-1260	ND	0.020	ND	0.018	ND	0.018	ND	0.018	ND	0.018	ND	0.018	ND	0.018	ND
Aroclor-1262	ND	0.020	ND	0.018	ND	0.018	ND	0.018	ND	0.018	ND	0.018	ND	0.018	ND
Aroclor-1268	ND	0.020	ND	0.018	ND	0.018	ND	0.018	ND	0.018	ND	0.018	ND	0.018	ND
PCBs	ND	0.020	0.048	0.048	ND	0.018	ND	0.018	ND	0.018	ND	0.018	ND	0.018	ND

ND = Analyzed for but Not Detected at the MDL

ANALYTICAL RESULTS

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10033-001

Client ID: HH-39_(0

Date Received: 10/09/2013

Date Extracted: 10/11/2013

Date Analyzed: 10/15/2013

Data file: Y2220.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.29g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 85.5

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND	0.261	0.261	0.104
Aroclor-1221	ND	0.261	0.261	0.104
Aroclor-1232	ND	0.261	0.261	0.104
Aroclor-1242	ND	0.261	0.261	0.104
Aroclor-1248	4.78	0.261	0.261	0.104
Aroclor-1254	ND	0.261	0.261	0.104
Aroclor-1260	ND	0.261	0.261	0.104
Aroclor-1262	ND	0.261	0.261	0.104
Aroclor-1268	ND	0.261	0.261	0.104
PCBs	4.78	0.261	0.261	0.104

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10033-002

Client ID: HH-39_(1

Date Received: 10/09/2013

Date Extracted: 10/11/2013

Date Analyzed: 10/15/2013

Data file: Y2221.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.07g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 86.6

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND	0.294	0.118	
Aroclor-1221	ND	0.294	0.118	
Aroclor-1232	ND	0.294	0.118	
Aroclor-1242	ND	0.294	0.118	
Aroclor-1248	ND	0.294	0.118	
Aroclor-1254	ND	0.294	0.118	
Aroclor-1260	ND	0.294	0.118	
Aroclor-1262	ND	0.294	0.118	
Aroclor-1268	ND	0.294	0.118	
PCBs	ND	0.294	0.118	

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10033-003

Client ID: HH-38_(0

Date Received: 10/09/2013

Date Extracted: 10/11/2013

Date Analyzed: 10/15/2013

Data file: Y2222.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.61g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 81.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND	0.190	0.076	
Aroclor-1221	ND	0.190	0.076	
Aroclor-1232	ND	0.190	0.076	
Aroclor-1242	ND	0.190	0.076	
Aroclor-1248	14.5	0.190	0.076	
Aroclor-1254	9.31	0.190	0.076	
Aroclor-1260	ND	0.190	0.076	
Aroclor-1262	ND	0.190	0.076	
Aroclor-1268	ND	0.190	0.076	
PCBs	23.8	0.190	0.076	

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10033-004

Client ID: HH-38_(1

Date Received: 10/09/2013

Date Extracted: 10/11/2013

Date Analyzed: 10/15/2013

Data file: Y2223.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.45g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 84.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND	0.231	0.092	
Aroclor-1221	ND	0.231	0.092	
Aroclor-1232	ND	0.231	0.092	
Aroclor-1242	ND	0.231	0.092	
Aroclor-1248	ND	0.231	0.092	
Aroclor-1254	ND	0.231	0.092	
Aroclor-1260	ND	0.231	0.092	
Aroclor-1262	ND	0.231	0.092	
Aroclor-1268	ND	0.231	0.092	
PCBs	ND	0.231	0.092	

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10033-005

Client ID: HH-38_(2

Date Received: 10/09/2013

Date Extracted: 10/11/2013

Date Analyzed: 10/15/2013

Data file: Y2224.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.25g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 40.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.064	0.026
Aroclor-1221	ND		0.064	0.026
Aroclor-1232	ND		0.064	0.026
Aroclor-1242	ND		0.064	0.026
Aroclor-1248	ND		0.064	0.026
Aroclor-1254	ND		0.064	0.026
Aroclor-1260	ND		0.064	0.026
Aroclor-1262	ND		0.064	0.026
Aroclor-1268	ND		0.064	0.026
PCBs	ND		0.064	0.026

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10033-006

Client ID: GG-38_(0

Date Received: 10/09/2013

Date Extracted: 10/11/2013

Date Analyzed: 10/15/2013

Data file: Y2225.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.71g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 76.5

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.149	0.060
Aroclor-1221	ND		0.149	0.060
Aroclor-1232	ND		0.149	0.060
Aroclor-1242	ND		0.149	0.060
Aroclor-1248	5.01		0.149	0.060
Aroclor-1254	6.33		0.149	0.060
Aroclor-1260	ND		0.149	0.060
Aroclor-1262	ND		0.149	0.060
Aroclor-1268	ND		0.149	0.060
PCBs	11.3		0.149	0.060

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10033-007

Client ID: GG-38_(1

Date Received: 10/09/2013

Date Extracted: 10/11/2013

Date Analyzed: 10/15/2013

Data file: Y2226.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.02g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 82.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND	0.226	0.090	
Aroclor-1221	ND	0.226	0.090	
Aroclor-1232	ND	0.226	0.090	
Aroclor-1242	ND	0.226	0.090	
Aroclor-1248	ND	0.226	0.090	
Aroclor-1254	ND	0.226	0.090	
Aroclor-1260	ND	0.226	0.090	
Aroclor-1262	ND	0.226	0.090	
Aroclor-1268	ND	0.226	0.090	
PCBs	ND	0.226	0.090	

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10033-008

Client ID: GG-38_(2

Date Received: 10/09/2013

Date Extracted: 10/11/2013

Date Analyzed: 10/15/2013

Data file: Y2227.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.63g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 78.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.164	0.065
Aroclor-1221	ND		0.164	0.065
Aroclor-1232	ND		0.164	0.065
Aroclor-1242	ND		0.164	0.065
Aroclor-1248	ND		0.164	0.065
Aroclor-1254	ND		0.164	0.065
Aroclor-1260	ND		0.164	0.065
Aroclor-1262	ND		0.164	0.065
Aroclor-1268	ND		0.164	0.065
PCBs	ND		0.164	0.065

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10033-009

Client ID: GG-38_(3)

Date Received: 10/09/2013

Date Extracted: 10/11/2013

Date Analyzed: 10/15/2013

Data file: Y2228.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.33g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 22.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.048	0.019
Aroclor-1221	ND		0.048	0.019
Aroclor-1232	ND		0.048	0.019
Aroclor-1242	ND		0.048	0.019
Aroclor-1248	ND		0.048	0.019
Aroclor-1254	ND		0.048	0.019
Aroclor-1260	ND		0.048	0.019
Aroclor-1262	ND		0.048	0.019
Aroclor-1268	ND		0.048	0.019
PCBs	ND		0.048	0.019

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10033-010

Client ID: BB-41S_(

Date Received: 10/09/2013

Date Extracted: 10/11/2013

Date Analyzed: 10/15/2013

Data file: Y2229.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.27g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 22.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND	0.049	0.020	
Aroclor-1221	ND	0.049	0.020	
Aroclor-1232	ND	0.049	0.020	
Aroclor-1242	0.236	0.049	0.020	
Aroclor-1248	ND	0.049	0.020	
Aroclor-1254	ND	0.049	0.020	
Aroclor-1260	ND	0.049	0.020	
Aroclor-1262	ND	0.049	0.020	
Aroclor-1268	ND	0.049	0.020	
PCBs	0.236	0.049	0.020	

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10033-011

Client ID: CC-39N_(

Date Received: 10/09/2013

Date Extracted: 10/11/2013

Date Analyzed: 10/15/2013

Data file: Y2230.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.20g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 25.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.051	0.021
Aroclor-1221	ND		0.051	0.021
Aroclor-1232	ND		0.051	0.021
Aroclor-1242	ND		0.051	0.021
Aroclor-1248	0.184		0.051	0.021
Aroclor-1254	ND		0.051	0.021
Aroclor-1260	ND		0.051	0.021
Aroclor-1262	ND		0.051	0.021
Aroclor-1268	ND		0.051	0.021
PCBs	0.184		0.051	0.021

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10033-012

Client ID: DD-38E_(

Date Received: 10/09/2013

Date Extracted: 10/11/2013

Date Analyzed: 10/15/2013

Data file: Y2231.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.29g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 29.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.054	0.021
Aroclor-1221	ND		0.054	0.021
Aroclor-1232	ND		0.054	0.021
Aroclor-1242	ND		0.054	0.021
Aroclor-1248	0.210		0.054	0.021
Aroclor-1254	ND		0.054	0.021
Aroclor-1260	ND		0.054	0.021
Aroclor-1262	ND		0.054	0.021
Aroclor-1268	ND		0.054	0.021
PCBs	0.210		0.054	0.021

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10033-013
Client ID: DD-38E_(
Date Received: 10/09/2013
Date Extracted: 10/14/2013
Date Analyzed: 10/14/2013
Data file: R4751.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.42g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 24.5

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.049	0.020
Aroclor-1221	ND		0.049	0.020
Aroclor-1232	ND		0.049	0.020
Aroclor-1242	ND		0.049	0.020
Aroclor-1248	ND		0.049	0.020
Aroclor-1254	ND		0.049	0.020
Aroclor-1260	ND		0.049	0.020
Aroclor-1262	ND		0.049	0.020
Aroclor-1268	ND		0.049	0.020
PCBs	ND		0.049	0.020

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10033-014
Client ID: FF-36N_(
Date Received: 10/09/2013
Date Extracted: 10/14/2013
Date Analyzed: 10/14/2013
Data file: R4752.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.67g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 21.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.045	0.018
Aroclor-1221	ND		0.045	0.018
Aroclor-1232	ND		0.045	0.018
Aroclor-1242	ND		0.045	0.018
Aroclor-1248	0.048		0.045	0.018
Aroclor-1254	ND		0.045	0.018
Aroclor-1260	ND		0.045	0.018
Aroclor-1262	ND		0.045	0.018
Aroclor-1268	ND		0.045	0.018
PCBs	0.048		0.045	0.018

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10033-015
Client ID: FB-18
Date Received: 10/09/2013
Date Extracted: 10/14/2013
Date Analyzed: 10/15/2013
Data file: R4777.D

GC Column: DB-5/DB1701P
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-mg/L (ppm)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.00005	0.00002
Aroclor-1221	ND		0.00005	0.00002
Aroclor-1232	ND		0.00005	0.00002
Aroclor-1242	ND		0.00005	0.00002
Aroclor-1248	ND		0.00005	0.00002
Aroclor-1254	ND		0.00005	0.00002
Aroclor-1260	ND		0.00005	0.00002
Aroclor-1262	ND		0.00005	0.00002
Aroclor-1268	ND		0.00005	0.00002
PCBs	ND		0.00005	0.00002

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

PCB DATA

E13-10033 0026

PCB QC SUMMARY

E13-10033 0027

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 10/14/2013

Client ID	Lab	Sample ID	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
				% rec	#	% rec	#	% rec	#	% rec	#
PCB		BLKS131014-07	SOIL	100		115		112		128	
PCB		LCSS131014-07	SOIL	99		114		108		134	
HLR-66B-		E13-10123-006	SOLID	96		114		106		135	
PCB		10123-006MS	SOLID	98		113		106		128	
PCB		10123-006MSD	SOLID	103		118		112		129	
H-8C/0-5		E13-10147-001	SOIL	103		109		111		123	
H-9C/0-5		E13-10147-003	SOIL	99		114		106		118	
H-10C/0-		E13-10147-005	SOIL	98		110		107		125	
WC2		E13-10136-001	SOIL	100		110		108		125	
DD-38E_(		E13-10033-013	SOIL	108		122		118		149	
FF-36N_(		E13-10033-014	SOIL	110		128		121		140	
SW-3A		E13-10034-007	SOIL	101		111		111		139	
SW-3B		E13-10034-008	SOIL	103		115		113		142	
SW-4A		E13-10034-009	SOIL	99		112		109		129	
SW-4B		E13-10034-010	SOIL	99		111		110		128	
SW-1		E13-10042-001	SOIL	100		107		110		124	
SW-2		E13-10042-002	SOIL	100		107		110		123	
SW-3		E13-10042-003	SOIL	99		109		110		123	
SW-4		E13-10042-004	SOIL	99		111		109		125	
B-5		E13-10042-005	SOIL	101		116		112		123	
HLR-66-1		E13-10122-001	SOLID	97		115		108		124	
HLR-66-1		E13-10122-002	SOLID	99		118		112		136	
HLR-66-1		E13-10122-003	SOLID	96		117		106		126	
HLR-66-1		E13-10122-004	SOLID	99		112		110		123	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

DCB = Decachlorobiphenyl

Soil Aqueous

Aqueous

30-150

30-150 30-150

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 10/15/2013

Client ID	Sample ID	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
			% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKA131014-14	AQUEOUS	89		96		102		122	
FB-18	E13-10033-015	AQUEOUS	91		94		104		119	
FB-19	E13-10103-012	AQUEOUS	79		84		92		103	
FB-20	E13-10150-016	AQUEOUS	91		96		105		121	
PCB	LCSA131014-14	AQUEOUS	90		97		102		114	
PCB	LCSDA131014-14	AQUEOUS	86		94		97		114	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

DCB = Decachlorobiphenyl

Soil

30-150

Aqueous

30-150

30-150

30-150

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 10/15/2013

Client ID	Sample ID	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
			% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKS131011-12	SOIL	100		92		104		108	
PCB	LCSS131011-12	SOIL	99		89		103		105	
COMP_1/2	E13-10048-006	SOIL	95		85		101		114	
PCB	10048-006MS	SOIL	97		90		101		108	
PCB	10048-006MSD	SOIL	96		97		101		107	
COMP_4/5	E13-10048-007	SOIL	98		85		104		111	
HLR-66B-	E13-10123-001	SOLID	93		84		99		113	
HLR-66B-	E13-10123-002	SOLID	95		89		99		121	
HLR-66B-	E13-10123-003	SOLID	97		92		102		122	
HLR-66B-	E13-10123-004	SOLID	97		92		102		111	
HLR-66B-	E13-10123-005	SOLID	95		84		100		101	
HLR-66B-	E13-10123-008	SOLID	81		80		89		98	
HH-39_(0	E13-10033-001	SOIL	119		116		130		138	
HH-39_(1	E13-10033-002	SOIL	113		112		123		127	
HH-38_(0	E13-10033-003	SOIL	117		112		127		139	
HH-38_(1	E13-10033-004	SOIL	121		117		134		140	
HH-38_(2	E13-10033-005	SOIL	93		83		101		103	
GG-38_(0	E13-10033-006	SOIL	121		111		129		148	
GG-38_(1	E13-10033-007	SOIL	118		110		131		136	
GG-38_(2	E13-10033-008	SOIL	115		105		126		130	
GG-38_(3	E13-10033-009	SOIL	96		86		103		108	
BB-41S_(	E13-10033-010	SOIL	94		79		100		95	
CC-39N_(	E13-10033-011	SOIL	94		82		100		98	
DD-38E_(	E13-10033-012	SOIL	98		81		105		104	

Surrogate QC Limits

Soil Aqueous

TCMX = Tetrachloro-m-xylene

30-150 30-150

DCB = Decachlorobiphenyl

30-150 30-150

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

SOIL PCB LCS ACCURACY RECOVERY

Matrix spike Lab sample ID:

LCSS131014-07

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	500.2	100	40 - 140
Aroclor-1260	500.0	0.0	568.0	114	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

Spike Recovery: 0 out of 2 outside limits

AQUEOUS PCB LCS/LCSD ACCURACY RECOVERY

Matrix spike Lab sample ID:

BLKA131014-14

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	LCS CONC. (ug/L)	LCS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	454.4	91	40 - 140
Aroclor-1260	500.0	0.0	572.5	115	40 - 140

Compound	SAMPLE CONC. (ug/L)	LCSD CONC. (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD	REC.
Aroclor-1016	0.0	454.7	91	0	50	40 - 140
Aroclor-1260	0.0	516.4	103	11	50	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

PCB METHOD BLANK SUMMARY

Lab File ID: R4776.D Instrument ID: GC-R
Date Extracted: 10/15/2013 Matrix: AQUEOUS
Date Analyzed: 10/15/2013 Time Analyzed: 10:20

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
FB-18	E13-10033-015	10/15/2013	10:37
FB-19	E13-10103-012	10/15/2013	10:59
FB-20	E13-10150-016	10/15/2013	11:16
PCB	LCSA131014-14	10/15/2013	11:34
PCB	LCSDA131014-14	10/15/2013	11:51

SOIL PCB LCS ACCURACY RECOVERY

Matrix spike Lab sample ID:

LCSS131011-12

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	496.0	99	40 - 140
Aroclor-1260	500.0	0.0	513.8	103	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

Spike Recovery: 0 out of 2 outside limits

SOIL PCB MS/MSD ACCURACY RECOVERY

Matrix spike Lab sample ID:

E13-10123-006

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	492.7	99	40 - 140
Aroclor-1260	500.0	0.0	570.7	114	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD % # REC	% RPD #	QC LIMITS RPD	REC.
Aroclor-1016	0.0	534.0	107	8	50	40 - 140
Aroclor-1260	0.0	612.3	122	7	50	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

SOIL PCB MS/MSD ACCURACY RECOVERY

Matrix spike Lab sample ID:

E13-10048-006

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	491.9	98	40 - 140
Aroclor-1260	500.0	0.0	495.0	99	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Aroclor-1016	0.0	484.1	97	1	50	40 - 140
Aroclor-1260	0.0	501.8	100	1	50	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

PCB METHOD BLANK SUMMARY

Lab File ID: R4741.D

Instrument ID: GC-R

Date Extracted: 10/14/2013

Matrix: SOIL

Date Analyzed: 10/14/2013

Time Analyzed: 15:16

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
PCB	LCSS131014-07	10/14/2013	15:33
HLR-66B-	E13-10123-006	10/14/2013	15:58
PCB	10123-006MS	10/14/2013	16:16
PCB	10123-006MSD	10/14/2013	16:33
H-8C/0-5	E13-10147-001	10/14/2013	16:51
H-9C/0-5	E13-10147-003	10/14/2013	17:09
H-10C/0-	E13-10147-005	10/14/2013	17:26
WC2	E13-10136-001	10/14/2013	17:44
DD-38E_(	E13-10033-013	10/14/2013	19:11
FF-36N_(	E13-10033-014	10/14/2013	19:28
SW-3A	E13-10034-007	10/14/2013	19:46
SW-3B	E13-10034-008	10/14/2013	20:03
SW-4A	E13-10034-009	10/14/2013	20:21
SW-4B	E13-10034-010	10/14/2013	20:38
SW-1	E13-10042-001	10/14/2013	20:55
SW-2	E13-10042-002	10/14/2013	21:13
SW-3	E13-10042-003	10/14/2013	21:30
SW-4	E13-10042-004	10/14/2013	21:48
B-5	E13-10042-005	10/14/2013	22:05
HLR-66-1	E13-10122-001	10/14/2013	22:22
HLR-66-1	E13-10122-002	10/14/2013	22:40
HLR-66-1	E13-10122-003	10/14/2013	22:57
HLR-66-1	E13-10122-004	10/14/2013	23:15

PCB METHOD BLANK SUMMARY

Lab File ID: Y2207.D Instrument ID: GC-Y

Date Extracted: 10/11/2013 Matrix: SOIL

Date Analyzed: 10/15/2013 Time Analyzed: 00:06

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
PCB	LCSS131011-12	10/15/2013	00:24
COMP_1/2	E13-10048-006	10/15/2013	00:41
PCB	10048-006MS	10/15/2013	00:58
PCB	10048-006MSD	10/15/2013	01:16
COMP_4/5	E13-10048-007	10/15/2013	03:00
HLR-66B-	E13-10123-001	10/15/2013	03:17
HLR-66B-	E13-10123-002	10/15/2013	03:35
HLR-66B-	E13-10123-003	10/15/2013	03:52
HLR-66B-	E13-10123-004	10/15/2013	04:10
HLR-66B-	E13-10123-005	10/15/2013	04:27
HLR-66B-	E13-10123-008	10/15/2013	04:44
HH-39_(0	E13-10033-001	10/15/2013	05:02
HH-39_(1	E13-10033-002	10/15/2013	05:36
HH-38_(0	E13-10033-003	10/15/2013	05:54
HH-38_(1	E13-10033-004	10/15/2013	06:28
HH-38_(2	E13-10033-005	10/15/2013	06:46
GG-38_(0	E13-10033-006	10/15/2013	07:03
GG-38_(1	E13-10033-007	10/15/2013	07:20
GG-38_(2	E13-10033-008	10/15/2013	07:38
GG-38_(3	E13-10033-009	10/15/2013	07:55
BB-41S_(	E13-10033-010	10/15/2013	08:12
CC-39N_(	E13-10033-011	10/15/2013	08:30
DD-38E_(	E13-10033-012	10/15/2013	08:47

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

Instrument ID: GC-Y
GC Column (1st): DB-5

Data File: Y1850.D Y1849.D Y1848.D Y1847.D Y1846.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.23	3.23	3.23	3.23	3.23	3.23	3.16	3.30
Aroclor-1016 {2}	4.05	4.05	4.05	4.05	4.05	4.05	3.98	4.12
Aroclor-1016 {3}	4.60	4.60	4.60	4.60	4.60	4.60	4.53	4.67
Aroclor-1016 {4}	5.10	5.10	5.10	5.10	5.10	5.10	5.03	5.17
Aroclor-1016 {5}	5.49	5.49	5.49	5.49	5.49	5.49	5.42	5.56
Aroclor-1221			2.14				2.07	2.21
Aroclor-1221 {2}			3.02				2.95	3.09
Aroclor-1221 {3}			3.15				3.08	3.22
Aroclor-1221 {4}			3.22				3.15	3.29
Aroclor-1221 {5}			3.81				3.74	3.88
Aroclor-1232			3.23				3.16	3.30
Aroclor-1232 {2}			4.05				3.98	4.12
Aroclor-1232 {3}			4.71				4.64	4.78
Aroclor-1232 {4}			5.30				5.23	5.37
Aroclor-1232 {5}			5.49				5.42	5.56
Aroclor-1242			4.05				3.98	4.12
Aroclor-1242 {2}			4.98				4.91	5.05
Aroclor-1242 {3}			5.30				5.23	5.37
Aroclor-1242 {4}			5.99				5.92	6.06
Aroclor-1242 {5}			6.26				6.19	6.33
Aroclor-1248			4.45				4.37	4.53
Aroclor-1248 {2}			4.98				4.90	5.06
Aroclor-1248 {3}			5.30				5.22	5.38
Aroclor-1248 {4}			5.99				5.91	6.07
Aroclor-1248 {5}			6.27				6.19	6.35
Aroclor-1254			6.39				6.31	6.47
Aroclor-1254 {2}			6.82				6.74	6.90
Aroclor-1254 {3}			6.99				6.90	7.08
Aroclor-1254 {4}			7.42				7.33	7.51
Aroclor-1254 {5}			8.26				8.17	8.35
Aroclor-1260	8.26	8.26	8.26	8.26	8.26	8.26	7.36	9.16
Aroclor-1260 {2}	8.94	8.94	8.94	8.94	8.93	8.94	8.04	9.84
Aroclor-1260 {3}	9.41	9.41	9.41	9.41	9.41	9.41	8.51	10.31
Aroclor-1260 {4}	9.89	9.89	9.89	9.89	9.89	9.89	8.99	10.79
Aroclor-1260 {5}	10.95	10.95	10.95	10.95	10.95	10.95	10.05	11.85

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

Instrument ID: GC-Y
GC Column (1st): DB-5

Data File:

Y1850.D Y1849.D Y1848.D Y1847.D Y1846.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	464323	441679	382895	349177	333589	394332	14.46
Aroclor-1016 {2}	631313	643566	521731	477189	458454	546451	15.79
Aroclor-1016 {3}	806143	774449	662509	606621	589177	687780	14.26
Aroclor-1016 {4}	363540	363516	332688	305606	289774	331025	10.09
Aroclor-1016 {5}	628860	642038	551930	503774	487757	562872	12.52
Aroclor-1221			199877				
Aroclor-1221 {2}			313557				
Aroclor-1221 {3}			198732				
Aroclor-1221 {4}			681302				
Aroclor-1221 {5}			164392				
Aroclor-1232			508390				
Aroclor-1232 {2}			304333				
Aroclor-1232 {3}			272852				
Aroclor-1232 {4}			292921				
Aroclor-1232 {5}			379208				
Aroclor-1242			445331				
Aroclor-1242 {2}			289404				
Aroclor-1242 {3}			394283				
Aroclor-1242 {4}			595594				
Aroclor-1242 {5}			525307				
Aroclor-1248			1072563				
Aroclor-1248 {2}			618287				
Aroclor-1248 {3}			795414				
Aroclor-1248 {4}			1263310				
Aroclor-1248 {5}			998553				
Aroclor-1254			1250957				
Aroclor-1254 {2}			821044				
Aroclor-1254 {3}			1480779				
Aroclor-1254 {4}			1606933				
Aroclor-1254 {5}			1429697				
Aroclor-1260	1799563	1887490	1561779	1407648	1377152	1606726	14.27
Aroclor-1260 {2}	884011	896189	732678	641350	641368	759119	16.51
Aroclor-1260 {3}	2064481	2110924	1815054	1604501	1536563	1826305	14.25
Aroclor-1260 {4}	982911	1147466	964107	838195	828743	952284	13.64
Aroclor-1260 {5}	415694	477377	462681	369882	339327	412992	14.28
Average %RSD							14.01

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

Instrument ID: GC-Y
GC Column (2nd): DB-1701P

Data File: Y1850.C Y1849.C Y1848.C Y1847.C Y1846.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.76	3.76	3.76	3.76	3.76	3.76	3.69	3.83
Aroclor-1016 {2}	4.36	4.36	4.36	4.36	4.36	4.36	4.29	4.43
Aroclor-1016 {3}	5.11	5.11	5.11	5.11	5.11	5.11	5.04	5.18
Aroclor-1016 {4}	5.32	5.32	5.32	5.32	5.32	5.32	5.25	5.39
Aroclor-1016 {5}	5.49	5.49	5.49	5.49	5.49	5.49	5.42	5.56
Aroclor-1221			2.44				2.37	2.51
Aroclor-1221 {2}			3.44				3.37	3.51
Aroclor-1221 {3}			3.67				3.60	3.74
Aroclor-1221 {4}			3.77				3.70	3.84
Aroclor-1221 {5}			5.11				5.04	5.18
Aroclor-1232			3.76				3.69	3.83
Aroclor-1232 {2}			4.74				4.67	4.81
Aroclor-1232 {3}			5.32				5.25	5.39
Aroclor-1232 {4}			5.49				5.42	5.56
Aroclor-1232 {5}			6.09				6.02	6.16
Aroclor-1242			4.74				4.67	4.81
Aroclor-1242 {2}			5.49				5.42	5.56
Aroclor-1242 {3}			6.09				6.02	6.16
Aroclor-1242 {4}			6.24				6.17	6.31
Aroclor-1242 {5}			6.79				6.72	6.86
Aroclor-1248			5.11				5.03	5.19
Aroclor-1248 {2}			5.69				5.61	5.77
Aroclor-1248 {3}			6.09				6.01	6.17
Aroclor-1248 {4}			6.24				6.16	6.32
Aroclor-1248 {5}			6.59				6.51	6.67
Aroclor-1254			7.09				7.01	7.17
Aroclor-1254 {2}			7.67				7.59	7.75
Aroclor-1254 {3}			8.29				8.20	8.38
Aroclor-1254 {4}			8.51				8.42	8.60
Aroclor-1254 {5}			9.10				9.01	9.19
Aroclor-1260	7.85	7.85	7.85	7.85	7.85	7.85	6.95	8.75
Aroclor-1260 {2}	8.11	8.11	8.11	8.11	8.11	8.11	7.21	9.01
Aroclor-1260 {3}	9.70	9.70	9.70	9.70	9.70	9.70	8.80	10.60
Aroclor-1260 {4}	10.20	10.20	10.20	10.20	10.20	10.20	9.30	11.10
Aroclor-1260 {5}	10.79	10.79	10.79	10.79	10.79	10.79	9.89	11.69

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed:	<u>09/25/2013</u>					Instrument ID:	<u>GC-Y</u>
						GC Column (2nd):	<u>DB-1701P</u>
Data File:	<u>Y1850.C</u>	<u>Y1849.C</u>	<u>Y1848.C</u>	<u>Y1847.C</u>	<u>Y1846.C</u>		
CALIBRATION FACTORS							
Compound	10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	840261	856585	714298	646843	597927	731183	15.71
Aroclor-1016 {2}	1833596	1816776	1547682	1378645	1353928	1586125	14.54
Aroclor-1016 {3}	4371716	4236799	3569561	3258945	3150851	3717574	15.04
Aroclor-1016 {4}	1871668	1849704	1597815	1454198	1410182	1636714	13.20
Aroclor-1016 {5}	1442767	1421476	1238979	1138128	1115123	1271295	12.13
Aroclor-1221			340703				
Aroclor-1221 {2}			617655				
Aroclor-1221 {3}			417322				
Aroclor-1221 {4}			1522237				
Aroclor-1221 {5}			291032				
Aroclor-1232			973678				
Aroclor-1232 {2}			425526				
Aroclor-1232 {3}			940006				
Aroclor-1232 {4}			735287				
Aroclor-1232 {5}			1002709				
Aroclor-1242			611221				
Aroclor-1242 {2}			1032956				
Aroclor-1242 {3}			1271440				
Aroclor-1242 {4}			1106793				
Aroclor-1242 {5}			2184386				
Aroclor-1248			2396754				
Aroclor-1248 {2}			3539345				
Aroclor-1248 {3}			2550731				
Aroclor-1248 {4}			2230079				
Aroclor-1248 {5}			1294923				
Aroclor-1254			2883717				
Aroclor-1254 {2}			2180898				
Aroclor-1254 {3}			1865030				
Aroclor-1254 {4}			1138169				
Aroclor-1254 {5}			2980480				
Aroclor-1260	1380266	1597791	1348190	1285120	1250722	1372418	9.90
Aroclor-1260 {2}	2170235	2320146	1904498	1826388	1764884	1997230	11.90
Aroclor-1260 {3}	1830758	1876902	1742155	1590179	1579596	1723918	7.88
Aroclor-1260 {4}	3775292	4234437	3909868	3531301	3570473	3804274	7.51
Aroclor-1260 {5}	2569926	3071676	2828424	2567649	2559367	2719408	8.36
Average %RSD							11.62

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

Instrument ID: GC-R
GC Column (1st): DB-5

Data File: R4398.D R4397.D R4396.D R4395.D R4394.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.20	3.20	3.20	3.20	3.20	3.20	3.13	3.27
Aroclor-1016 {2}	4.03	4.03	4.03	4.03	4.03	4.03	3.96	4.10
Aroclor-1016 {3}	4.59	4.59	4.59	4.59	4.59	4.59	4.52	4.66
Aroclor-1016 {4}	5.10	5.10	5.09	5.09	5.09	5.09	5.02	5.16
Aroclor-1016 {5}	5.49	5.49	5.49	5.49	5.49	5.49	5.42	5.56
Aroclor-1221			2.11				2.04	2.18
Aroclor-1221 {2}			3.00				2.93	3.07
Aroclor-1221 {3}			3.13				3.06	3.20
Aroclor-1221 {4}			3.20				3.13	3.27
Aroclor-1221 {5}			3.80				3.73	3.87
Aroclor-1232			3.20				3.13	3.27
Aroclor-1232 {2}			4.03				3.96	4.10
Aroclor-1232 {3}			4.70				4.63	4.77
Aroclor-1232 {4}			5.30				5.23	5.37
Aroclor-1232 {5}			5.49				5.42	5.56
Aroclor-1242			4.03				3.96	4.10
Aroclor-1242 {2}			4.98				4.91	5.05
Aroclor-1242 {3}			5.30				5.23	5.37
Aroclor-1242 {4}			6.00				5.93	6.07
Aroclor-1242 {5}			6.28				6.21	6.35
Aroclor-1248			4.44				4.36	4.52
Aroclor-1248 {2}			4.98				4.90	5.06
Aroclor-1248 {3}			5.30				5.22	5.38
Aroclor-1248 {4}			6.00				5.92	6.08
Aroclor-1248 {5}			6.27				6.19	6.35
Aroclor-1254			6.39				6.31	6.47
Aroclor-1254 {2}			6.83				6.75	6.91
Aroclor-1254 {3}			7.00				6.91	7.09
Aroclor-1254 {4}			7.45				7.36	7.54
Aroclor-1254 {5}			8.29				8.20	8.38
Aroclor-1260	8.29	8.29	8.29	8.29	8.29	8.29	7.39	9.19
Aroclor-1260 {2}	8.97	8.97	8.97	8.97	8.96	8.97	8.07	9.87
Aroclor-1260 {3}	9.45	9.45	9.45	9.45	9.45	9.45	8.55	10.35
Aroclor-1260 {4}	9.94	9.94	9.94	9.94	9.93	9.94	9.04	10.84
Aroclor-1260 {5}	11.01	11.01	11.00	11.00	11.00	11.00	10.10	11.90

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013 Instrument ID: GC-R
 GC Column (1st): DB-5

Data File: R4398.D R4397.D R4396.D R4395.D R4394.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	238956	238426	221016	197053	206327	220356	8.53
Aroclor-1016 {2}	322859	323495	301808	271511	285729	301080	7.59
Aroclor-1016 {3}	416139	415483	390316	353118	373529	389717	6.98
Aroclor-1016 {4}	184507	199920	185895	164765	172191	181456	7.47
Aroclor-1016 {5}	322867	320546	311488	282232	300555	307538	5.41
Aroclor-1221			114432				
Aroclor-1221 {2}			175472				
Aroclor-1221 {3}			116606				
Aroclor-1221 {4}			409677				
Aroclor-1221 {5}			91214				
Aroclor-1232			299110				
Aroclor-1232 {2}			173564				
Aroclor-1232 {3}			151425				
Aroclor-1232 {4}			169583				
Aroclor-1232 {5}			215217				
Aroclor-1242			271243				
Aroclor-1242 {2}			171172				
Aroclor-1242 {3}			243002				
Aroclor-1242 {4}			368896				
Aroclor-1242 {5}			334402				
Aroclor-1248			645139				
Aroclor-1248 {2}			371041				
Aroclor-1248 {3}			488705				
Aroclor-1248 {4}			791653				
Aroclor-1248 {5}			569723				
Aroclor-1254			752030				
Aroclor-1254 {2}			480900				
Aroclor-1254 {3}			903710				
Aroclor-1254 {4}			935745				
Aroclor-1254 {5}			852809				
Aroclor-1260	809353	853975	887981	812983	880858	849030	4.34
Aroclor-1260 {2}	404014	408219	409739	376288	404609	400574	3.44
Aroclor-1260 {3}	1040454	1052855	1056746	954425	1033313	1027559	4.08
Aroclor-1260 {4}	489784	509425	533411	482655	530867	509228	4.54
Aroclor-1260 {5}	243012	247120	249016	215605	232018	237354	5.83
Average %RSD							5.82

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

Instrument ID: GC-R
GC Column (2nd): DB-1701P

Data File: R4398.C R4397.C R4396.C R4395.C R4394.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.37	3.37	3.37	3.37	3.37	3.37	3.30	3.44
Aroclor-1016 {2}	3.94	3.93	3.94	3.94	3.94	3.94	3.87	4.01
Aroclor-1016 {3}	4.65	4.65	4.65	4.65	4.65	4.65	4.58	4.72
Aroclor-1016 {4}	4.85	4.85	4.85	4.85	4.85	4.85	4.78	4.92
Aroclor-1016 {5}	5.02	5.02	5.02	5.02	5.02	5.02	4.95	5.09
Aroclor-1221			2.16				2.09	2.23
Aroclor-1221 {2}			3.07				3.00	3.14
Aroclor-1221 {3}			3.29				3.22	3.36
Aroclor-1221 {4}			3.38				3.31	3.45
Aroclor-1221 {5}			4.66				4.59	4.73
Aroclor-1232			3.37				3.30	3.44
Aroclor-1232 {2}			4.30				4.23	4.37
Aroclor-1232 {3}			4.85				4.78	4.92
Aroclor-1232 {4}			5.02				4.95	5.09
Aroclor-1232 {5}			5.60				5.53	5.67
Aroclor-1242			4.30				4.23	4.37
Aroclor-1242 {2}			5.02				4.95	5.09
Aroclor-1242 {3}			5.60				5.53	5.67
Aroclor-1242 {4}			5.76				5.69	5.83
Aroclor-1242 {5}			6.29				6.22	6.36
Aroclor-1248			4.65				4.57	4.73
Aroclor-1248 {2}			5.22				5.14	5.30
Aroclor-1248 {3}			5.60				5.52	5.68
Aroclor-1248 {4}			5.76				5.68	5.84
Aroclor-1248 {5}			6.10				6.02	6.18
Aroclor-1254			6.59				6.51	6.67
Aroclor-1254 {2}			7.16				7.08	7.24
Aroclor-1254 {3}			7.59				7.50	7.68
Aroclor-1254 {4}			7.78				7.69	7.87
Aroclor-1254 {5}			8.59				8.50	8.68
Aroclor-1260	7.34	7.34	7.34	7.34	7.34	7.34	6.44	8.24
Aroclor-1260 {2}	7.59	7.59	7.59	7.59	7.59	7.59	6.69	8.49
Aroclor-1260 {3}	9.18	9.18	9.18	9.18	9.18	9.18	8.28	10.08
Aroclor-1260 {4}	9.69	9.69	9.69	9.69	9.69	9.69	8.79	10.59
Aroclor-1260 {5}	10.27	10.28	10.27	10.27	10.27	10.27	9.37	11.17

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

Instrument ID: GC-R
GC Column (2nd): DB-1701P

Data File: R4398.C R4397.C R4396.C R4395.C R4394.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	463482	443481	394672	349156	363575	402873	12.30
Aroclor-1016 {2}	972946	914219	800550	715484	745062	829652	13.30
Aroclor-1016 {3}	2003226	1895012	1794128	1625557	1725798	1808744	8.10
Aroclor-1016 {4}	874602	819805	758782	674981	705886	766811	10.64
Aroclor-1016 {5}	649705	630090	577596	516964	546780	584227	9.52
Aroclor-1221			205830				
Aroclor-1221 {2}			317677				
Aroclor-1221 {3}			197191				
Aroclor-1221 {4}			731933				
Aroclor-1221 {5}			137633				
Aroclor-1232			537368				
Aroclor-1232 {2}			201363				
Aroclor-1232 {3}			443054				
Aroclor-1232 {4}			336131				
Aroclor-1232 {5}			472241				
Aroclor-1242			308614				
Aroclor-1242 {2}			520959				
Aroclor-1242 {3}			687939				
Aroclor-1242 {4}			570896				
Aroclor-1242 {5}			1110996				
Aroclor-1248			1196272				
Aroclor-1248 {2}			1787378				
Aroclor-1248 {3}			1279375				
Aroclor-1248 {4}			1156522				
Aroclor-1248 {5}			630416				
Aroclor-1254			1449464				
Aroclor-1254 {2}			1140319				
Aroclor-1254 {3}			744926				
Aroclor-1254 {4}			1087519				
Aroclor-1254 {5}			1595667				
Aroclor-1260	772842	717629	667601	596248	636006	678065	10.20
Aroclor-1260 {2}	1203303	1137574	1003928	894435	938753	1035599	12.67
Aroclor-1260 {3}	918251	908290	856575	776950	839956	860004	6.64
Aroclor-1260 {4}	1869490	1994218	1907750	1702352	1827485	1860259	5.78
Aroclor-1260 {5}	1341947	1427312	1364592	1211105	1295946	1328180	6.08
Average %RSD							9.52

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

Instrument ID: GC-R
GC Column (1st): DB-5

Data File: R4398.D R4397.D R4396.D R4395.D R4394.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			8.66				8.54	8.78
Aroclor-1262 {2}			9.45				9.33	9.57
Aroclor-1262 {3}			10.08				9.96	10.20
Aroclor-1262 {4}			10.17				10.05	10.29
Aroclor-1262 {5}			11.00				10.88	11.12
Aroclor-1268			10.08				9.96	10.20
Aroclor-1268 {2}			10.16				10.04	10.28
Aroclor-1268 {3}			10.63				10.51	10.75
Aroclor-1268 {4}			10.76				10.64	10.88
Aroclor-1268 {5}			11.60				11.48	11.72

GC Column (2nd): DB-1701P

Data File: R4398.C R4397.C R4396.C R4395.C R4394.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			9.17				9.05	9.29
Aroclor-1262 {2}			9.69				9.57	9.81
Aroclor-1262 {3}			10.18				10.06	10.30
Aroclor-1262 {4}			10.27				10.15	10.39
Aroclor-1262 {5}			10.86				10.74	10.98
Aroclor-1268			10.18				10.06	10.30
Aroclor-1268 {2}			10.26				10.14	10.38
Aroclor-1268 {3}			10.50				10.38	10.62
Aroclor-1268 {4}			10.65				10.53	10.77
Aroclor-1268 {5}			11.73				11.61	11.85

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

Instrument ID: GC-R
GC Column (1st): DB-5

Data File:

R4398.D R4397.D R4396.D R4395.D R4394.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			412256				
Aroclor-1262 {2}			1603317				
Aroclor-1262 {3}			600064				
Aroclor-1262 {4}			726266				
Aroclor-1262 {5}			562568				
Aroclor-1268			1631126				
Aroclor-1268 {2}			1792929				
Aroclor-1268 {3}			1398759				
Aroclor-1268 {4}			384285				
Aroclor-1268 {5}			4463165				

GC Column (2nd): DB-1701P

Data File:

R4398.C R4397.C R4396.C R4395.C R4394.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			1324749				
Aroclor-1262 {2}			3035817				
Aroclor-1262 {3}			967719				
Aroclor-1262 {4}			2127918				
Aroclor-1262 {5}			426507				
Aroclor-1268			2933662				
Aroclor-1268 {2}			3178941				
Aroclor-1268 {3}			2495408				
Aroclor-1268 {4}			657283				
Aroclor-1268 {5}			7870801				

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/14/2013

Instrument ID: GC-R

Data File: R4740.D

GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.20	3.13	3.27	220356	216721	1.65
Aroclor-1016 {2}	4.03	3.96	4.10	301080	298376	0.90
Aroclor-1016 {3}	4.58	4.52	4.66	389717	382503	1.85
Aroclor-1016 {4}	5.09	5.02	5.16	181456	190104	4.77
Aroclor-1016 {5}	5.49	5.42	5.56	307538	303027	1.47
Aroclor-1260	8.29	7.39	9.19	849030	842181	0.81
Aroclor-1260 {2}	8.97	8.07	9.87	400574	389302	2.81
Aroclor-1260 {3}	9.45	8.55	10.35	1027559	1006933	2.01
Aroclor-1260 {4}	9.94	9.04	10.84	509228	503951	1.04
Aroclor-1260 {5}	11.00	10.10	11.90	237354	243918	2.77

Data File: R4740.C

GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.37	3.30	3.44	402873	431298	7.06
Aroclor-1016 {2}	3.93	3.87	4.01	829652	881545	6.25
Aroclor-1016 {3}	4.65	4.58	4.72	1808744	1956752	8.18
Aroclor-1016 {4}	4.85	4.78	4.92	766811	815172	6.31
Aroclor-1016 {5}	5.02	4.95	5.09	584227	627301	7.37
Aroclor-1260	7.34	6.44	8.24	678065	675352	0.40
Aroclor-1260 {2}	7.59	6.69	8.49	1035599	1097176	5.95
Aroclor-1260 {3}	9.17	8.28	10.08	860004	932415	8.42
Aroclor-1260 {4}	9.68	8.79	10.59	1860259	2072146	11.39
Aroclor-1260 {5}	10.27	9.37	11.17	1328180	1502723	13.14

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/14/2013 Instrument ID: GC-R

Data File: R4750.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.20	3.13	3.27	220356	221741	0.63
Aroclor-1016 {2}	4.04	3.96	4.10	301080	305229	1.38
Aroclor-1016 {3}	4.59	4.52	4.66	389717	393129	0.88
Aroclor-1016 {4}	5.10	5.02	5.16	181456	204787	12.86
Aroclor-1016 {5}	5.49	5.42	5.56	307538	310881	1.09
Aroclor-1260	8.30	7.39	9.19	849030	882217	3.91
Aroclor-1260 {2}	8.97	8.07	9.87	400574	403466	0.72
Aroclor-1260 {3}	9.45	8.55	10.35	1027559	1070954	4.22
Aroclor-1260 {4}	9.94	9.04	10.84	509228	535370	5.13
Aroclor-1260 {5}	11.00	10.10	11.90	237354	273027	15.03

Data File: R4750.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.37	3.30	3.44	402873	455035	12.95
Aroclor-1016 {2}	3.93	3.87	4.01	829652	913386	10.09
Aroclor-1016 {3}	4.65	4.58	4.72	1808744	2026153	12.02
Aroclor-1016 {4}	4.85	4.78	4.92	766811	851670	11.07
Aroclor-1016 {5}	5.02	4.95	5.09	584227	652510	11.69
Aroclor-1260	7.34	6.44	8.24	678065	722449	6.55
Aroclor-1260 {2}	7.59	6.69	8.49	1035599	1156116	11.64
Aroclor-1260 {3}	9.17	8.28	10.08	860004	955741	11.13
Aroclor-1260 {4}	9.68	8.79	10.59	1860259	2213560	18.99
Aroclor-1260 {5}	10.27	9.37	11.17	1328180	1566972	17.98

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/15/2013

Instrument ID: GC-R

Data File: R4766.D

GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.20	3.13	3.27	220356	211376	4.07
Aroclor-1016 {2}	4.04	3.96	4.10	301080	286878	4.72
Aroclor-1016 {3}	4.59	4.52	4.66	389717	372616	4.39
Aroclor-1016 {4}	5.09	5.02	5.16	181456	196151	8.10
Aroclor-1016 {5}	5.49	5.42	5.56	307538	295688	3.85
Aroclor-1260	8.30	7.39	9.19	849030	837644	1.34
Aroclor-1260 {2}	8.97	8.07	9.87	400574	392174	2.10
Aroclor-1260 {3}	9.45	8.55	10.35	1027559	1031878	0.42
Aroclor-1260 {4}	9.95	9.04	10.84	509228	513844	0.91
Aroclor-1260 {5}	11.01	10.10	11.90	237354	253295	6.72

Data File: R4766.C

GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.37	3.30	3.44	402873	436668	8.39
Aroclor-1016 {2}	3.93	3.87	4.01	829652	881552	6.26
Aroclor-1016 {3}	4.65	4.58	4.72	1808744	1949997	7.81
Aroclor-1016 {4}	4.85	4.78	4.92	766811	829440	8.17
Aroclor-1016 {5}	5.02	4.95	5.09	584227	632790	8.31
Aroclor-1260	7.34	6.44	8.24	678065	718415	5.95
Aroclor-1260 {2}	7.59	6.69	8.49	1035599	1120194	8.17
Aroclor-1260 {3}	9.17	8.28	10.08	860004	957446	11.33
Aroclor-1260 {4}	9.68	8.79	10.59	1860259	2140766	15.08
Aroclor-1260 {5}	10.27	9.37	11.17	1328180	1553680	16.98

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/15/2013

Instrument ID: GC-R

Data File: R4775.D

GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.20	3.13	3.27	220356	208089	5.57
Aroclor-1016 {2}	4.03	3.96	4.10	301080	281017	6.66
Aroclor-1016 {3}	4.59	4.52	4.66	389717	366009	6.08
Aroclor-1016 {4}	5.09	5.02	5.16	181456	180181	0.70
Aroclor-1016 {5}	5.49	5.42	5.56	307538	287981	6.36
Aroclor-1260	8.29	7.39	9.19	849030	845779	0.38
Aroclor-1260 {2}	8.97	8.07	9.87	400574	390269	2.57
Aroclor-1260 {3}	9.45	8.55	10.35	1027559	1019021	0.83
Aroclor-1260 {4}	9.94	9.04	10.84	509228	521801	2.47
Aroclor-1260 {5}	11.00	10.10	11.90	237354	246543	3.87

Data File: R4775.C

GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.37	3.30	3.44	402873	436470	8.34
Aroclor-1016 {2}	3.93	3.87	4.01	829652	875148	5.48
Aroclor-1016 {3}	4.65	4.58	4.72	1808744	1976289	9.26
Aroclor-1016 {4}	4.85	4.78	4.92	766811	826739	7.82
Aroclor-1016 {5}	5.02	4.95	5.09	584227	636567	8.96
Aroclor-1260	7.34	6.44	8.24	678065	706586	4.21
Aroclor-1260 {2}	7.59	6.69	8.49	1035599	1117965	7.95
Aroclor-1260 {3}	9.17	8.28	10.08	860004	955820	11.14
Aroclor-1260 {4}	9.68	8.79	10.59	1860259	2191155	17.79
Aroclor-1260 {5}	10.26	9.37	11.17	1328180	1590819	19.77

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/15/2013

Instrument ID: GC-R

Data File: R4782.D

GC Column (1st):

DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.20	3.13	3.27	220356	192356	12.71
Aroclor-1016 {2}	4.03	3.96	4.10	301080	259848	13.69
Aroclor-1016 {3}	4.59	4.52	4.66	389717	341942	12.26
Aroclor-1016 {4}	5.09	5.02	5.16	181456	165563	8.76
Aroclor-1016 {5}	5.49	5.42	5.56	307538	271222	11.81
Aroclor-1260	8.29	7.39	9.19	849030	822669	3.10
Aroclor-1260 {2}	8.97	8.07	9.87	400574	389112	2.86
Aroclor-1260 {3}	9.45	8.55	10.35	1027559	1015316	1.19
Aroclor-1260 {4}	9.94	9.04	10.84	509228	521335	2.38
Aroclor-1260 {5}	11.00	10.10	11.90	237354	244492	3.01

Data File: R4782.C

GC Column (2nd):

DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.38	3.30	3.44	402873	416832	3.46
Aroclor-1016 {2}	3.94	3.87	4.01	829652	830196	0.07
Aroclor-1016 {3}	4.66	4.58	4.72	1808744	1895136	4.78
Aroclor-1016 {4}	4.86	4.78	4.92	766811	791363	3.20
Aroclor-1016 {5}	5.03	4.95	5.09	584227	610663	4.53
Aroclor-1260	7.35	6.44	8.24	678065	726926	7.21
Aroclor-1260 {2}	7.60	6.69	8.49	1035599	1087553	5.02
Aroclor-1260 {3}	9.18	8.28	10.08	860004	985861	14.63
Aroclor-1260 {4}	9.69	8.79	10.59	1860259	2191442	17.80
Aroclor-1260 {5}	10.27	9.37	11.17	1328180	1550794	16.76

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013 Instrument ID: GC-Y
 GC Column (1st): DB-5

Data File: Y1850.D Y1849.D Y1848.D Y1847.D Y1846.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			8.55				8.43	8.67
Aroclor-1262 {2}			9.41				9.29	9.53
Aroclor-1262 {3}			10.04				9.92	10.16
Aroclor-1262 {4}			10.13				10.01	10.25
Aroclor-1262 {5}			10.95				10.83	11.07
Aroclor-1268			10.04				9.92	10.16
Aroclor-1268 {2}			10.12				10.00	10.24
Aroclor-1268 {3}			10.59				10.47	10.71
Aroclor-1268 {4}			11.55				11.43	11.67
Aroclor-1268 {5}			12.04				11.92	12.16

GC Column (2nd): DB-1701P

Data File: Y1850.C Y1849.C Y1848.C Y1847.C Y1846.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			9.70				9.58	9.82
Aroclor-1262 {2}			10.20				10.08	10.32
Aroclor-1262 {3}			10.70				10.58	10.82
Aroclor-1262 {4}			10.79				10.67	10.91
Aroclor-1262 {5}			11.39				11.27	11.51
Aroclor-1268			10.70				10.58	10.82
Aroclor-1268 {2}			10.78				10.66	10.90
Aroclor-1268 {3}			11.04				10.92	11.16
Aroclor-1268 {4}			12.25				12.13	12.37
Aroclor-1268 {5}			12.48				12.36	12.60

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed:

09/25/2013

Instrument ID:

GC-Y

GC Column (1st):

DB-5

Data File:

Y1850.D Y1849.D Y1848.D Y1847.D Y1846.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			1292916				
Aroclor-1262 {2}			2408782				
Aroclor-1262 {3}			950819				
Aroclor-1262 {4}			1039798				
Aroclor-1262 {5}			871465				
Aroclor-1268			2329028				
Aroclor-1268 {2}			2439244				
Aroclor-1268 {3}			1975765				
Aroclor-1268 {4}			5596247				
Aroclor-1268 {5}			3165388				

GC Column (2nd): DB-1701P

Data File:

Y1850.C Y1849.C Y1848.C Y1847.C Y1846.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			2532606				
Aroclor-1262 {2}			5716193				
Aroclor-1262 {3}			2058727				
Aroclor-1262 {4}			4020600				
Aroclor-1262 {5}			980018				
Aroclor-1268			5861773				
Aroclor-1268 {2}			6124826				
Aroclor-1268 {3}			5049165				
Aroclor-1268 {4}			14509441				
Aroclor-1268 {5}			8286384				

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/14/2013

Instrument ID: GC-Y

Data File: Y2198.D

GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.23	3.16	3.30	394332	383814	2.67
Aroclor-1016 {2}	4.05	3.98	4.12	546451	529515	3.10
Aroclor-1016 {3}	4.60	4.53	4.67	687780	665190	3.28
Aroclor-1016 {4}	5.10	5.03	5.17	331025	347458	4.96
Aroclor-1016 {5}	5.49	5.42	5.56	562872	548245	2.60
Aroclor-1260	8.26	7.36	9.16	1606726	1517958	5.52
Aroclor-1260 {2}	8.94	8.04	9.84	759119	697862	8.07
Aroclor-1260 {3}	9.41	8.51	10.31	1826305	1741254	4.66
Aroclor-1260 {4}	9.89	8.99	10.79	952284	917267	3.68
Aroclor-1260 {5}	10.95	10.05	11.85	412992	391583	5.18

Data File: Y2198.C

GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.76	3.69	3.83	731183	766922	4.89
Aroclor-1016 {2}	4.36	4.29	4.43	1586125	1730421	9.10
Aroclor-1016 {3}	5.11	5.04	5.18	3717574	3901118	4.94
Aroclor-1016 {4}	5.32	5.25	5.39	1636714	1669752	2.02
Aroclor-1016 {5}	5.49	5.42	5.56	1271295	1322568	4.03
Aroclor-1260	7.85	6.95	8.75	1372418	1416381	3.20
Aroclor-1260 {2}	8.10	7.21	9.01	1997230	2055699	2.93
Aroclor-1260 {3}	9.69	8.80	10.60	1723918	1876418	8.85
Aroclor-1260 {4}	10.20	9.30	11.10	3804274	4220343	10.94
Aroclor-1260 {5}	10.79	9.89	11.69	2719408	3067189	12.79

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/15/2013

Instrument ID: GC-Y

Data File: Y2212.D

GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.23	3.16	3.30	394332	388462	1.49
Aroclor-1016 {2}	4.05	3.98	4.12	546451	537210	1.69
Aroclor-1016 {3}	4.60	4.53	4.67	687780	677433	1.50
Aroclor-1016 {4}	5.10	5.03	5.17	331025	352181	6.39
Aroclor-1016 {5}	5.49	5.42	5.56	562872	560197	0.48
Aroclor-1260	8.26	7.36	9.16	1606726	1603193	0.22
Aroclor-1260 {2}	8.94	8.04	9.84	759119	736980	2.92
Aroclor-1260 {3}	9.41	8.51	10.31	1826305	1866561	2.20
Aroclor-1260 {4}	9.89	8.99	10.79	952284	980463	2.96
Aroclor-1260 {5}	10.95	10.05	11.85	412992	440306	6.61

Data File: Y2212.C

GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.76	3.69	3.83	731183	786291	7.54
Aroclor-1016 {2}	4.36	4.29	4.43	1586125	1773930	11.84
Aroclor-1016 {3}	5.11	5.04	5.18	3717574	4016200	8.03
Aroclor-1016 {4}	5.32	5.25	5.39	1636714	1732164	5.83
Aroclor-1016 {5}	5.49	5.42	5.56	1271295	1371800	7.91
Aroclor-1260	7.85	6.95	8.75	1372418	1456964	6.16
Aroclor-1260 {2}	8.10	7.21	9.01	1997230	2124744	6.38
Aroclor-1260 {3}	9.69	8.80	10.60	1723918	2019631	17.15
Aroclor-1260 {4}	10.20	9.30	11.10	3804274	4537977	19.29
Aroclor-1260 {5}	10.79	9.89	11.69	2719408	3229656	18.76

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/15/2013

Instrument ID: GC-Y

Data File: Y2232.D

GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.23	3.16	3.30	394332	382134	3.09
Aroclor-1016 {2}	4.05	3.98	4.12	546451	529001	3.19
Aroclor-1016 {3}	4.60	4.53	4.67	687780	663222	3.57
Aroclor-1016 {4}	5.10	5.03	5.17	331025	337679	2.01
Aroclor-1016 {5}	5.49	5.42	5.56	562872	549337	2.40
Aroclor-1260	8.26	7.36	9.16	1606726	1560062	2.90
Aroclor-1260 {2}	8.94	8.04	9.84	759119	716962	5.55
Aroclor-1260 {3}	9.41	8.51	10.31	1826305	1769809	3.09
Aroclor-1260 {4}	9.89	8.99	10.79	952284	958854	0.69
Aroclor-1260 {5}	10.95	10.05	11.85	412992	432825	4.80

Data File: Y2232.C

GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.76	3.69	3.83	731183	773360	5.77
Aroclor-1016 {2}	4.36	4.29	4.43	1586125	1694691	6.84
Aroclor-1016 {3}	5.11	5.04	5.18	3717574	3935381	5.86
Aroclor-1016 {4}	5.32	5.25	5.39	1636714	1693792	3.49
Aroclor-1016 {5}	5.49	5.42	5.56	1271295	1339970	5.40
Aroclor-1260	7.85	6.95	8.75	1372418	1423204	3.70
Aroclor-1260 {2}	8.10	7.21	9.01	1997230	2072162	3.75
Aroclor-1260 {3}	9.69	8.80	10.60	1723918	1958813	13.63
Aroclor-1260 {4}	10.20	9.30	11.10	3804274	4451252	17.01
Aroclor-1260 {5}	10.79	9.89	11.69	2719408	3139541	15.45

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID:		GC-R		Column: DB-5/DB-1701P									
		TCMX 1	<u>2.73</u>	DCB 1	<u>12.09</u>	TCMX 2	<u>2.57</u>	DCB 2	<u>11.95</u>				
Client ID	Sample ID	Lab	Date Analyzed	Time Analyzed	TCMX 1 RT #	DCB 1 RT #	TCMX 2 RT #	DCB 2 RT #					
PCB	BLKS131014-07		10/14/2013	15:16	2.73	12.09	2.57	11.95					
PCB	LCSS131014-07		10/14/2013	15:33	2.73	12.09	2.56	11.94					
HLR-66B-	E13-10123-006		10/14/2013	15:58	2.73	12.08	2.56	11.94					
PCB	10123-006MS		10/14/2013	16:16	2.73	12.08	2.56	11.94					
PCB	10123-006MSD		10/14/2013	16:33	2.73	12.08	2.56	11.93					
H-8C/0-5	E13-10147-001		10/14/2013	16:51	2.73	12.08	2.56	11.93					
H-9C/0-5	E13-10147-003		10/14/2013	17:09	2.73	12.09	2.56	11.94					
H-10C/0-	E13-10147-005		10/14/2013	17:26	2.73	12.08	2.56	11.93					
WC2	E13-10136-001		10/14/2013	17:44	2.73	12.08	2.56	11.93					
DD-38E_(	E13-10033-013		10/14/2013	19:11	2.74	12.09	2.56	11.94					
FF-36N_(	E13-10033-014		10/14/2013	19:28	2.74	12.09	2.56	11.94					
SW-3A	E13-10034-007		10/14/2013	19:46	2.74	12.09	2.56	11.94					
SW-3B	E13-10034-008		10/14/2013	20:03	2.74	12.09	2.56	11.94					
SW-4A	E13-10034-009		10/14/2013	20:21	2.74	12.09	2.56	11.94					
SW-4B	E13-10034-010		10/14/2013	20:38	2.74	12.09	2.56	11.94					
SW-1	E13-10042-001		10/14/2013	20:55	2.74	12.09	2.56	11.93					
SW-2	E13-10042-002		10/14/2013	21:13	2.74	12.09	2.56	11.94					
SW-3	E13-10042-003		10/14/2013	21:30	2.74	12.09	2.56	11.94					
SW-4	E13-10042-004		10/14/2013	21:48	2.74	12.09	2.56	11.94					
B-5	E13-10042-005		10/14/2013	22:05	2.74	12.09	2.56	11.94					
HLR-66-1	E13-10122-001		10/14/2013	22:22	2.74	12.09	2.56	11.94					
HLR-66-1	E13-10122-002		10/14/2013	22:40	2.74	12.09	2.56	11.94					
HLR-66-1	E13-10122-003		10/14/2013	22:57	2.74	12.09	2.56	11.94					
HLR-66-1	E13-10122-004		10/14/2013	23:15	2.74	12.09	2.56	11.94					

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

(\pm 0.10 Minutes)

DCB = Decachlorobiphenyl

(\pm 0.10 Minutes)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-R

Column: DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1	<u>2.74</u>	DCB 1	<u>12.08</u>	TCMX 2	<u>2.56</u>	DCB 2	<u>11.93</u>
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Client ID	Lab	Date Analyzed	Time Analyzed	TCMX 1 RT #	DCB 1 RT #	TCMX 2 RT #	DCB 2 RT #
PCB	BLKA131014-14	10/15/2013	10:20	2.74	12.08	2.56	11.93
FB-18	E13-10033-015	10/15/2013	10:37	2.74	12.08	2.56	11.93
FB-19	E13-10103-012	10/15/2013	10:59	2.74	12.08	2.57	11.94
FB-20	E13-10150-016	10/15/2013	11:16	2.74	12.08	2.56	11.93
PCB	LCSA131014-14	10/15/2013	11:34	2.74	12.08	2.56	11.93
PCB	LCSDA131014-14	10/15/2013	11:51	2.74	12.08	2.56	11.93

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

(\pm 0.10 Minutes)

DCB = Decachlorobiphenyl

(\pm 0.10 Minutes)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-Y

Column: DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1	2.77	DCB 1	12.04	TCMX 2	2.89	DCB 2	12.47
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Client ID	Lab	Date	Time	TCMX 1	DCB 1	TCMX 2	DCB 2
Client ID	Sample ID	Analyzed	Analyzed	RT #	RT #	RT #	RT #
PCB	BLKS131011-12	10/15/2013	00:06	2.77	12.04	2.89	12.47
PCB	LCSS131011-12	10/15/2013	00:24	2.77	12.04	2.89	12.47
COMP_1/2	E13-10048-006	10/15/2013	00:41	2.77	12.04	2.89	12.47
PCB	10048-006MS	10/15/2013	00:58	2.77	12.04	2.89	12.47
PCB	10048-006MSD	10/15/2013	01:16	2.77	12.04	2.89	12.47
COMP_4/5	E13-10048-007	10/15/2013	03:00	2.77	12.04	2.89	12.47
HLR-66B-	E13-10123-001	10/15/2013	03:17	2.77	12.04	2.89	12.47
HLR-66B-	E13-10123-002	10/15/2013	03:35	2.77	12.04	2.89	12.47
HLR-66B-	E13-10123-003	10/15/2013	03:52	2.77	12.04	2.89	12.47
HLR-66B-	E13-10123-004	10/15/2013	04:10	2.77	12.04	2.89	12.47
HLR-66B-	E13-10123-005	10/15/2013	04:27	2.77	12.04	2.89	12.47
HLR-66B-	E13-10123-008	10/15/2013	04:44	2.77	12.04	2.89	12.47
HH-39_(0	E13-10033-001	10/15/2013	05:02	2.77	12.04	2.89	12.47
HH-39_(1	E13-10033-002	10/15/2013	05:36	2.77	12.04	2.89	12.47
HH-38_(0	E13-10033-003	10/15/2013	05:54	2.77	12.04	2.89	12.47
HH-38_(1	E13-10033-004	10/15/2013	06:28	2.77	12.04	2.89	12.47
HH-38_(2	E13-10033-005	10/15/2013	06:46	2.77	12.04	2.89	12.47
GG-38_(0	E13-10033-006	10/15/2013	07:03	2.77	12.04	2.89	12.47
GG-38_(1	E13-10033-007	10/15/2013	07:20	2.77	12.04	2.89	12.47
GG-38_(2	E13-10033-008	10/15/2013	07:38	2.77	12.04	2.89	12.47
GG-38_(3	E13-10033-009	10/15/2013	07:55	2.77	12.04	2.89	12.47
BB-41S_(	E13-10033-010	10/15/2013	08:12	2.77	12.04	2.89	12.47
CC-39N_(	E13-10033-011	10/15/2013	08:30	2.77	12.04	2.89	12.47
DD-38E_(	E13-10033-012	10/15/2013	08:47	2.77	12.04	2.89	12.47

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

(± 0.10 Minutes)

DCB = Decachlorobiphenyl

(± 0.10 Minutes)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB SAMPLE DATA

E13-10033 0062

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-14-13\
 Data File : Y2220.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2013 5:02
 Operator : NG
 Sample : HH-39_(0,E13-10033-001,S,5.29g,85.5,20
 Misc : 131011-12,10/11/13,10/09/13,1
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 15 13:40:57 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
 Quant Title :
 QLast Update : Mon Sep 30 10:08:11 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.77	2.89	4405.1E6	9556.7E6	238.594	260.229
Spiked Amount	200.000			Recovery	= 119.30%	130.11%
2) S DCB	12.04	12.47	1430.0E6	3572.2E6	232.024	276.558m
Spiked Amount	200.000			Recovery	= 116.01%	138.28%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.45	5.11	108.5E6	230.3E6	101.168	96.084
24) L6 Aroclor-1248 {2}	4.98	5.69	146.5E6	875.8E6	236.878	247.453
25) L6 Aroclor-1248 {3}	5.30	6.09	229.5E6	684.6E6	288.514	268.375
26) L6 Aroclor-1248 {4}	6.00	6.24	307.5E6	372.8E6	243.432	167.180 #
27) L6 Aroclor-1248 {5}	6.26	6.59	224.0E6	178.9E6	224.363	138.177 #
Sum Aroclor-1248			1016.0E6	2342.4E6	1094.355	917.268
Average Aroclor-1248					218.871	183.454
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

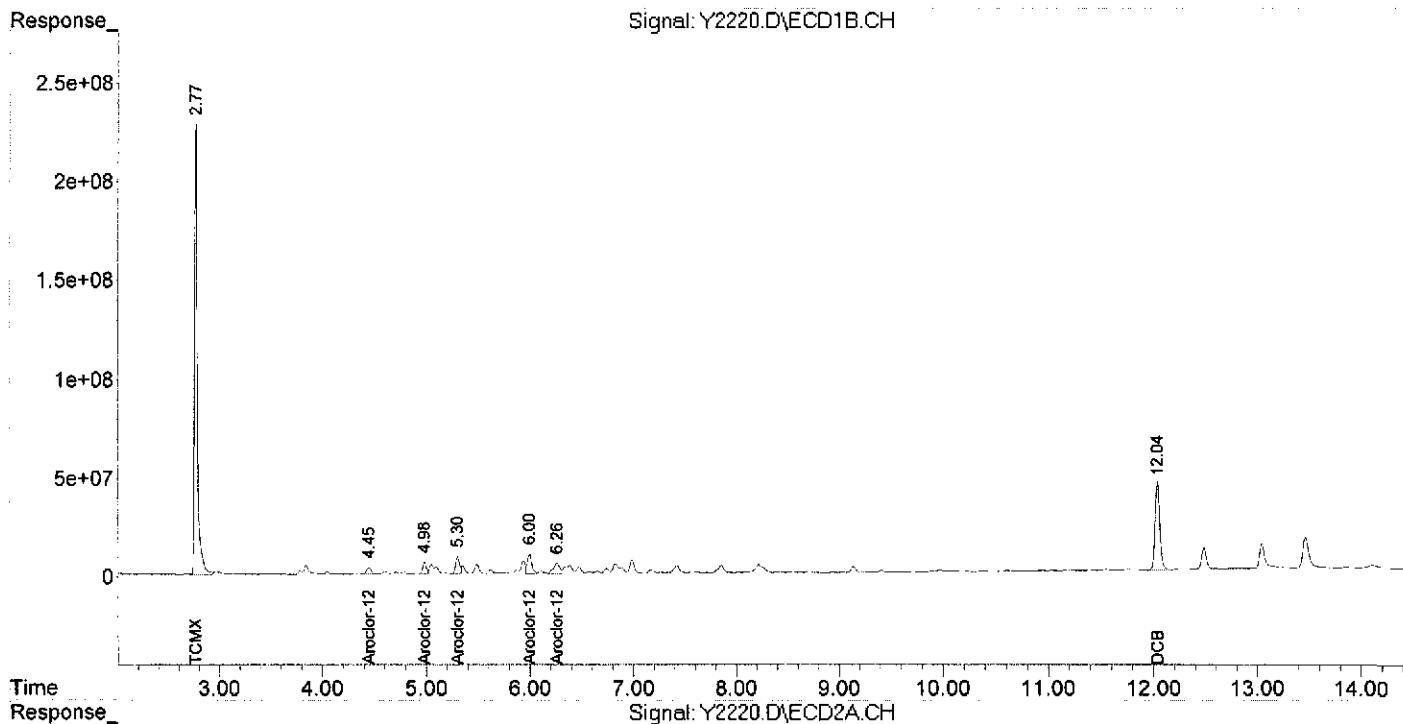
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-14-13\
Data File : Y2220.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Oct 2013 5:02
Operator : NG
Sample : HH-39_(0,E13-10033-001,S,5.29g,85.5,20
Misc : 131011-12,10/11/13,10/09/13,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 15 13:40:57 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-14-13\
 Data File : Y2221.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2013 5:36
 Operator : NG
 Sample : HH-39_(1,E13-10033-002,S,5.07g,86.6,20
 Misc : 131011-12,10/11/13,10/09/13,1
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 15 09:57:33 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
 Quant Title :
 QLast Update : Mon Sep 30 10:08:11 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	4180.6E6	9057.9E6	226.436	246.646
Spiked Amount	200.000			Recovery	= 113.22%	123.32%
2) S DCB	12.04	12.47	1377.0E6	3288.4E6	223.428	254.583
Spiked Amount	200.000			Recovery	= 111.71%	127.29%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
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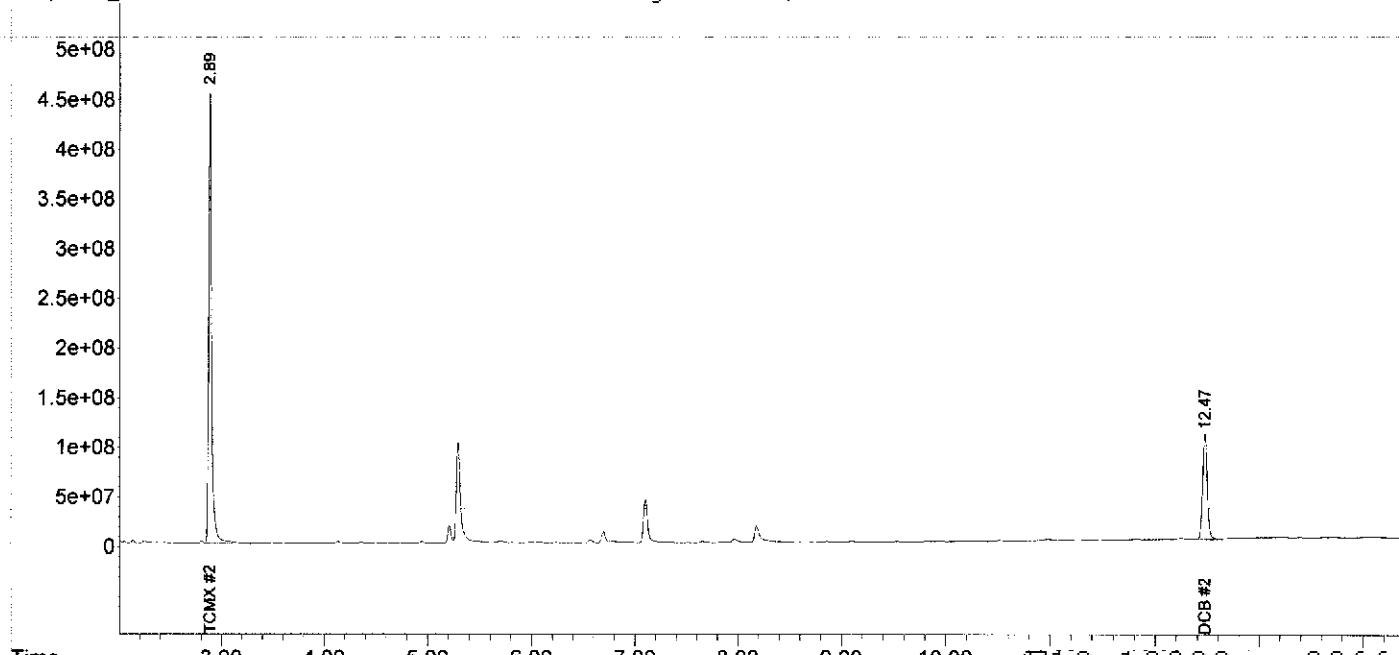
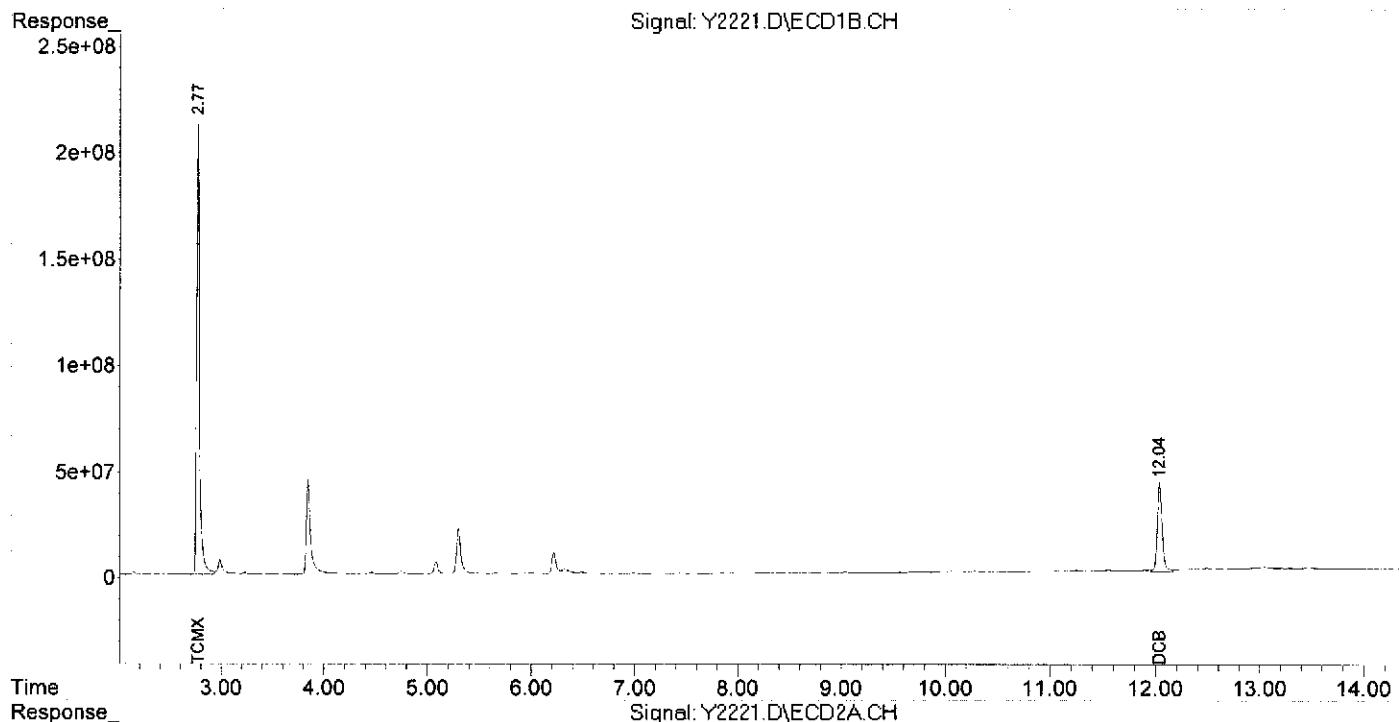
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-14-13\
Data File : Y2221.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Oct 2013 5:36
Operator : NG
Sample : HH-39_(1,E13-10033-002,S,5.07g,86.6,20
Misc : 131011-12,10/11/13,10/09/13,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 15 09:57:33 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-14-13\
 Data File : Y2222.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2013 5:54
 Operator : NG
 Sample : HH-38_(0,E13-10033-003,S,5.61g.81.2,20
 Misc : 131011-12,10/11/13,10/09/13,1
 ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 15 13:47:12 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
 Quant Title :
 QLast Update : Mon Sep 30 10:08:11 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
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System Monitoring Compounds

1) S TCMX	2.77	2.89	4335.0E6	9315.0E6	234.799	253.647
Spiked Amount	200.000			Recovery	= 117.40%	126.82%
2) S DCB	12.04	12.47	1378.8E6	3577.5E6	223.729	276.966
Spiked Amount	200.000			Recovery	= 111.86%	138.48%

Target Compounds

Sum Aroclor-1016		0	0	N.D.	N.D.
Average Aroclor-1016				0.000	0.000

Sum Aroclor-1221		0	0	N.D.	N.D.
Average Aroclor-1221				0.000	0.000

Sum Aroclor-1232		0	0	N.D.	N.D.
Average Aroclor-1232				0.000	0.000

Sum Aroclor-1242		0	0	N.D.	N.D.
Average Aroclor-1242				0.000	0.000

23) L6 Aroclor-1248	4.45	5.11	797.0E6	1656.6E6	743.055	691.185
24) L6 Aroclor-1248 {2}	4.98	5.69	539.2E6	3440.0E6	872.119	971.939
25) L6 Aroclor-1248 {3}	5.30	6.09	708.4E6	2485.7E6	890.643	974.523
26) L6 Aroclor-1248 {4}	6.00	6.24	1092.0E6	1456.9E6	864.407	653.278
27) L6 Aroclor-1248 {5}	6.26	6.59	719.9E6	678.0E6	720.952	523.593 #
Sum Aroclor-1248			3856.5E6	9717.2E6	4091.177	3814.518
Average Aroclor-1248					818.235	762.904

28) L7 Aroclor-1254	6.39	7.13	442.0E6	766.4E6	353.312	265.754
29) L7 Aroclor-1254 {2}	6.82	7.67	427.8E6	1388.8E6	521.072	636.819
30) L7 Aroclor-1254 {3}	6.99	8.28	760.1E6	1307.9E6	513.285	701.297 #
31) L7 Aroclor-1254 {4}	7.42	8.51	557.9E6	362.0E6	347.169	318.092
32) L7 Aroclor-1254 {5}	8.22	9.10	1031.0E6	2255.0E6	721.106	756.604
Sum Aroclor-1254			3218.7E6	6080.2E6	2455.943	2678.566
Average Aroclor-1254					491.189	535.713

Sum Aroclor-1260		0	0	N.D.	N.D.
Average Aroclor-1260				0.000	0.000

Sum Aroclor-1262		0	0	N.D.	N.D.
Average Aroclor-1262				0.000	0.000

Sum Aroclor-1268		0	0	N.D.	N.D.
Average Aroclor-1268				0.000	0.000

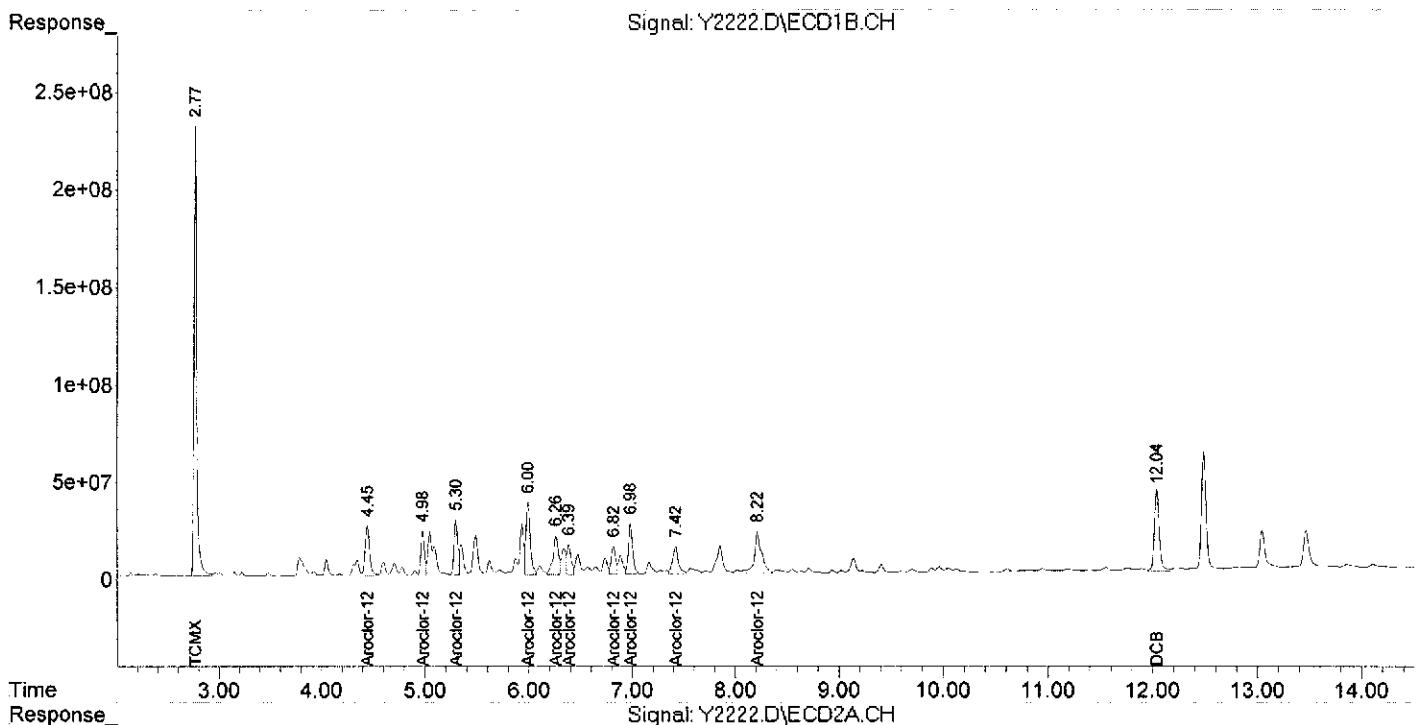
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-14-13\
Data File : Y2222.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Oct 2013 5:54
Operator : NG
Sample : HH-38_(0,E13-10033-003,S,5,61g,81.2,20
Misc : 131011-12,10/11/13,10/09/13,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 15 13:47:12 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-14-13\
 Data File : Y2223.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2013 6:28
 Operator : NG
 Sample : HH-38_(1,E13-10033-004,S,5,45g,84.1,20
 Misc : 131011-12,10/11/13,10/09/13,1
 ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 15 09:59:07 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
 Quant Title :
 QLast Update : Mon Sep 30 10:08:11 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	4455.0E6	9861.2E6	241.298	268.519
Spiked Amount	200.000			Recovery	= 120.65%	134.26%
2) S DCB	12.04	12.47	1436.1E6	3617.5E6	233.019	280.065
Spiked Amount	200.000			Recovery	= 116.51%	140.03%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

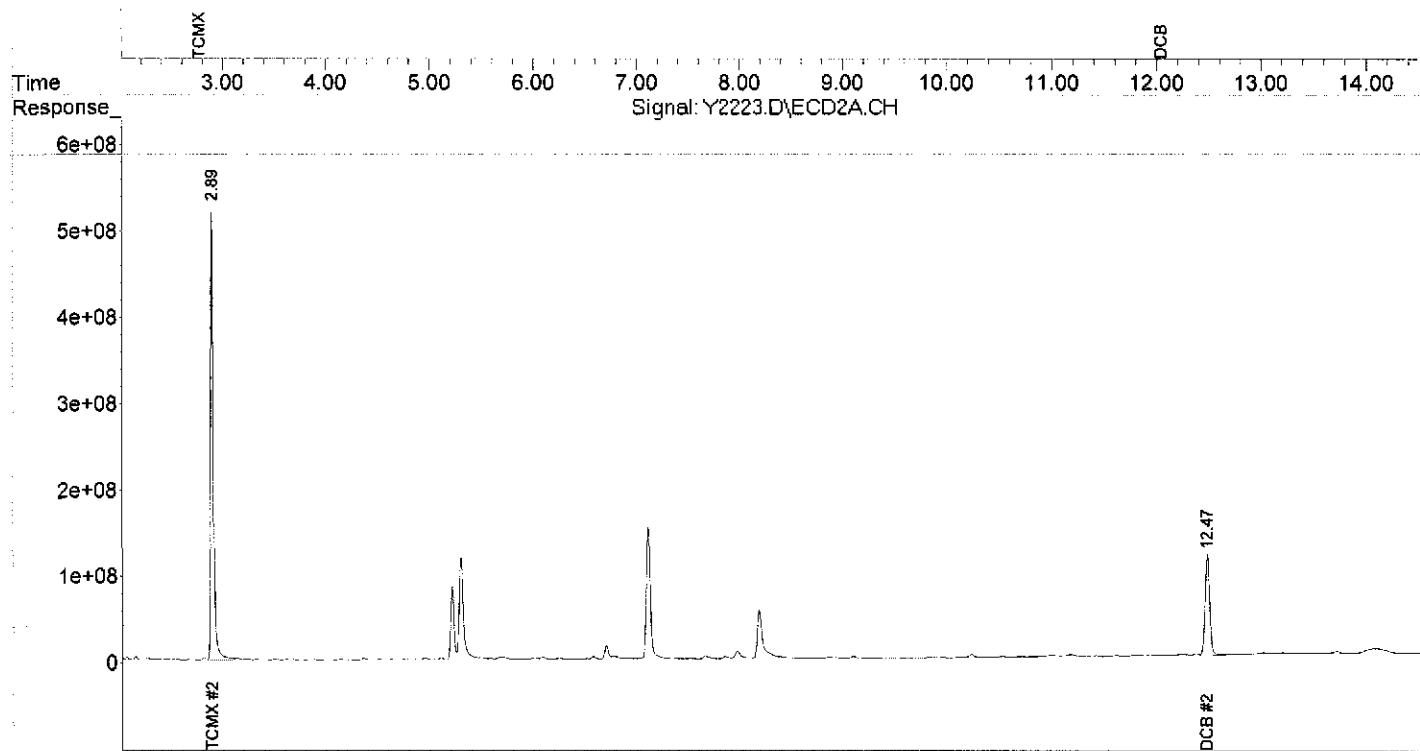
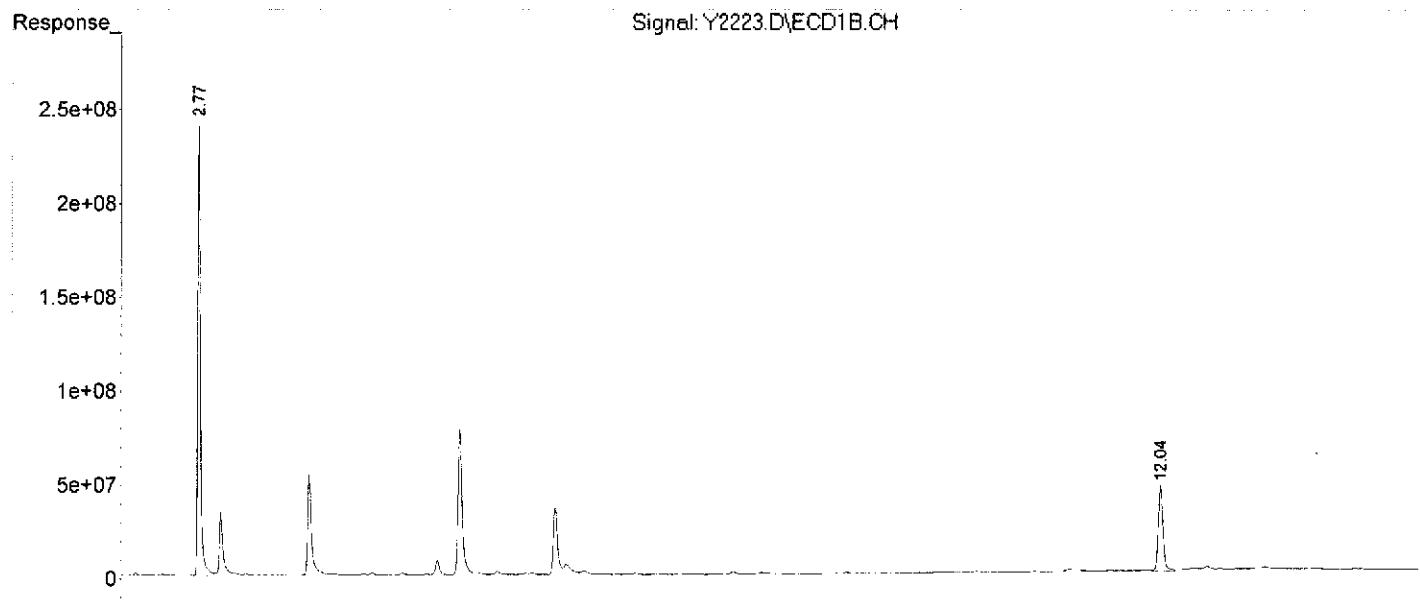
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-14-13\
Data File : Y2223.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Oct 2013 6:28
Operator : NG
Sample : HH-38_(1,E13-10033-004,S,5,45g,84.1,20
Misc : 131011-12,10/11/13,10/09/13,1
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 15 09:59:07 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-14-13\
 Data File : Y2224.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2013 6:46
 Operator : NG
 Sample : HH-38_(2,E13-10033-005,S,5.25g,40.9,20
 Misc : 131011-12,10/11/13,10/09/13,1
 ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 15 10:02:25 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
 Quant Title :
 QLast Update : Mon Sep 30 10:08:11 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	3442.4E6	7446.7E6	186.451	202.775
Spiked Amount	200.000			Recovery	= 93.23%	101.39%
2) S DCB	12.04	12.47	1027.2E6	2652.3E6	166.664	205.335
Spiked Amount	200.000			Recovery	= 83.33%	102.67%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

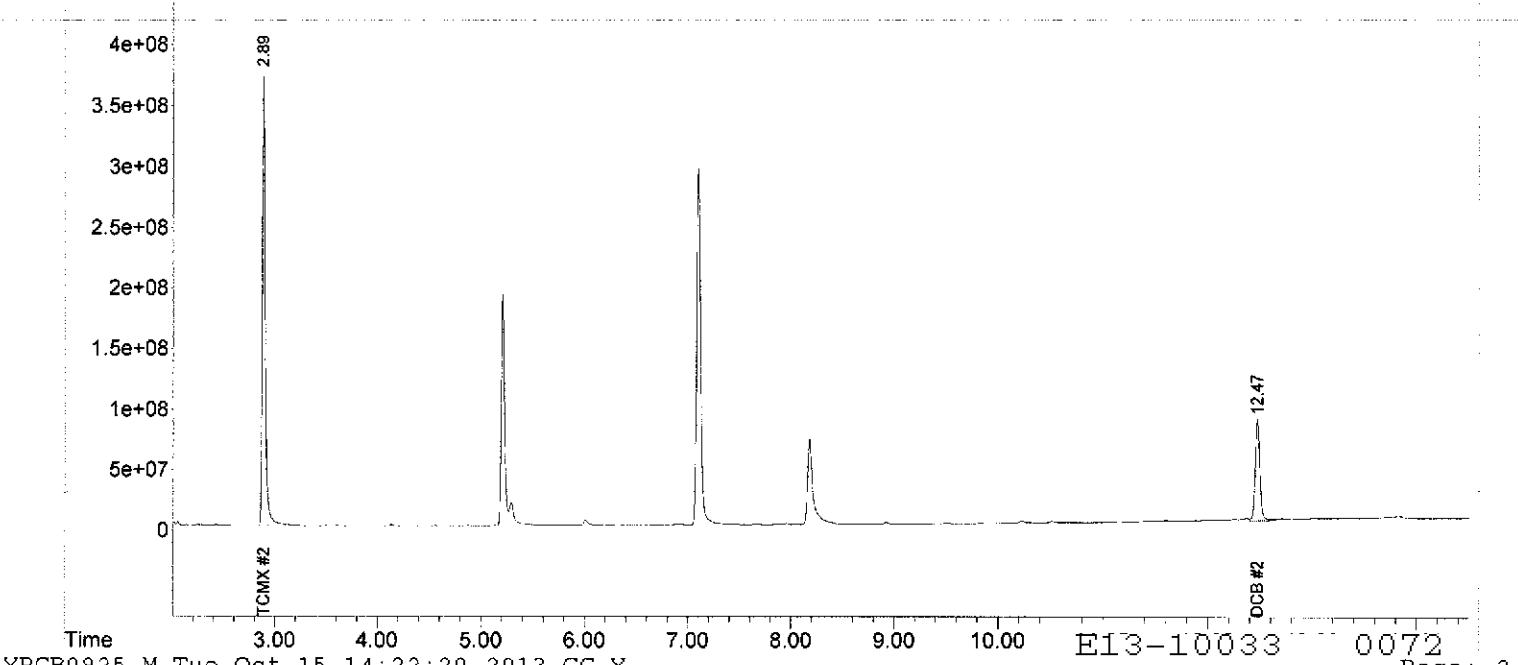
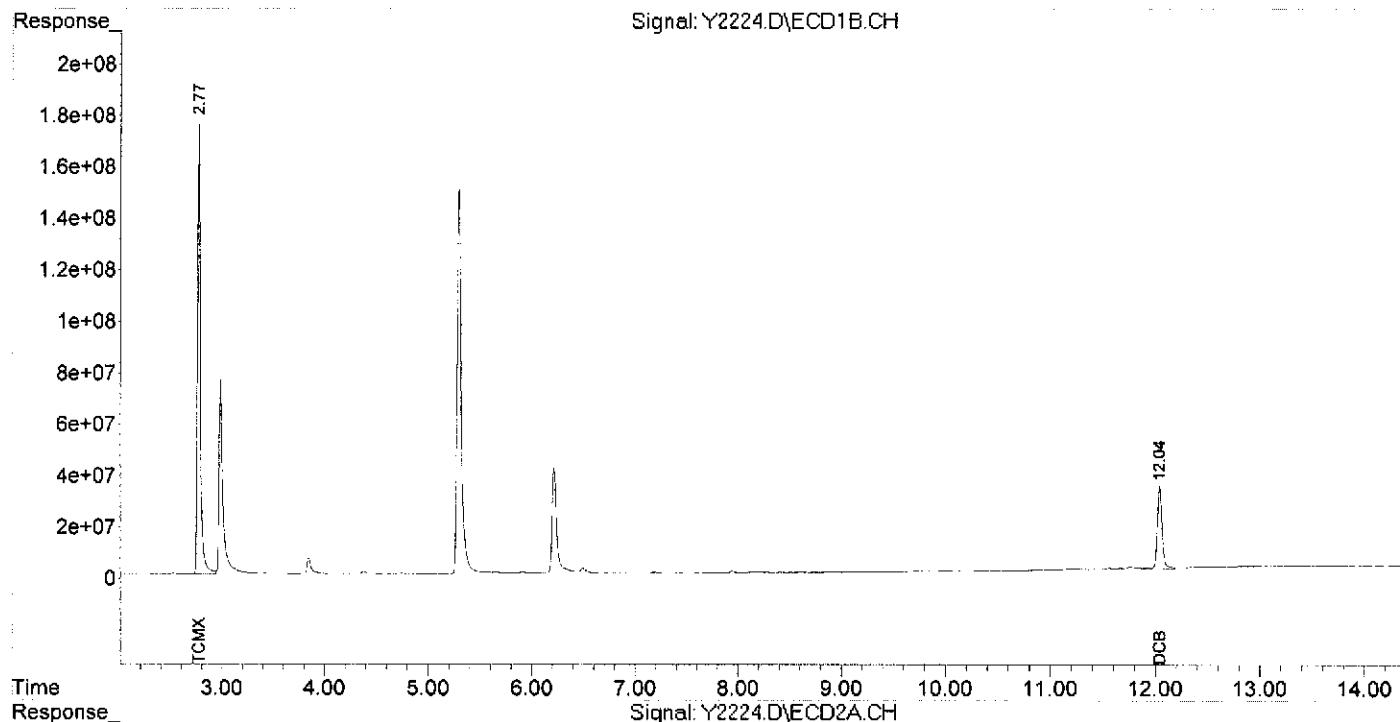
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-14-13\
Data File : Y2224.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Oct 2013 6:46
Operator : NG
Sample : HH-38_(2,E13-10033-005,S,5.25g,40.9,20
Misc : 131011-12,10/11/13,10/09/13,1
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 15 10:02:25 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-14-13\
 Data File : Y2225.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2013 7:03
 Operator : NG
 Sample : GG-38_(0.E13-10033-006,S,5.71g,76.5,20
 Misc : 131011-12,10/11/13,10/09/13,1
 ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 15 13:45:25 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
 Quant Title :
 QLast Update : Mon Sep 30 10:08:11 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>							
1) S	TCMX	2.77	2.89	4454.1E6	9443.1E6	241.249	257.134
Spiked Amount	200.000			Recovery	=	120.62%	128.57%
2) S	DCB	12.04	12.47	1372.3E6	3823.5E6	222.674	296.012 #
Spiked Amount	200.000			Recovery	=	111.34%	148.01%
<hr/>							
Target Compounds							
Sum Aroclor-1016				0	0	N.D.	N.D.
Average Aroclor-1016						0.000	0.000
Sum Aroclor-1221				0	0	N.D.	N.D.
Average Aroclor-1221						0.000	0.000
Sum Aroclor-1232				0	0	N.D.	N.D.
Average Aroclor-1232						0.000	0.000
Sum Aroclor-1242				0	0	N.D.	N.D.
Average Aroclor-1242						0.000	0.000
23) L6	Aroclor-1248	4.45	5.11	136.2E6	316.7E6	127.027	132.124
24) L6	Aroclor-1248 {2}	4.98	5.68	315.8E6	1823.3E6	510.819	515.149
25) L6	Aroclor-1248 {3}	5.30	6.09	357.5E6	1344.6E6	449.494	527.151
26) L6	Aroclor-1248 {4}	5.99	6.24	780.2E6	544.6E6	617.587	244.199 #
27) L6	Aroclor-1248 {5}	6.26	6.59	423.7E6	340.5E6	424.339	262.959 #
Sum Aroclor-1248				2013.5E6	4369.7E6	2129.267	1681.582
Average Aroclor-1248						425.853	336.316
28) L7	Aroclor-1254	6.39	7.12	335.5E6	604.8E6	268.179	209.744
29) L7	Aroclor-1254 {2}	6.82	7.67	362.7E6	1343.0E6	441.758	615.793 #
30) L7	Aroclor-1254 {3}	6.98	8.28	616.2E6	1030.9E6	416.118	552.743 #
31) L7	Aroclor-1254 {4}	7.42	8.51	528.1E6	460.2E6	328.613	404.365
32) L7	Aroclor-1254 {5}	8.22	9.10	956.0E6	2107.3E6	668.641	707.043
Sum Aroclor-1254				2798.4E6	5546.3E6	2123.308	2489.687
Average Aroclor-1254						424.662	497.937
Sum Aroclor-1260				0	0	N.D.	N.D.
Average Aroclor-1260						0.000	0.000
Sum Aroclor-1262				0	0	N.D.	N.D.
Average Aroclor-1262						0.000	0.000
Sum Aroclor-1268				0	0	N.D.	N.D.
Average Aroclor-1268						0.000	0.000

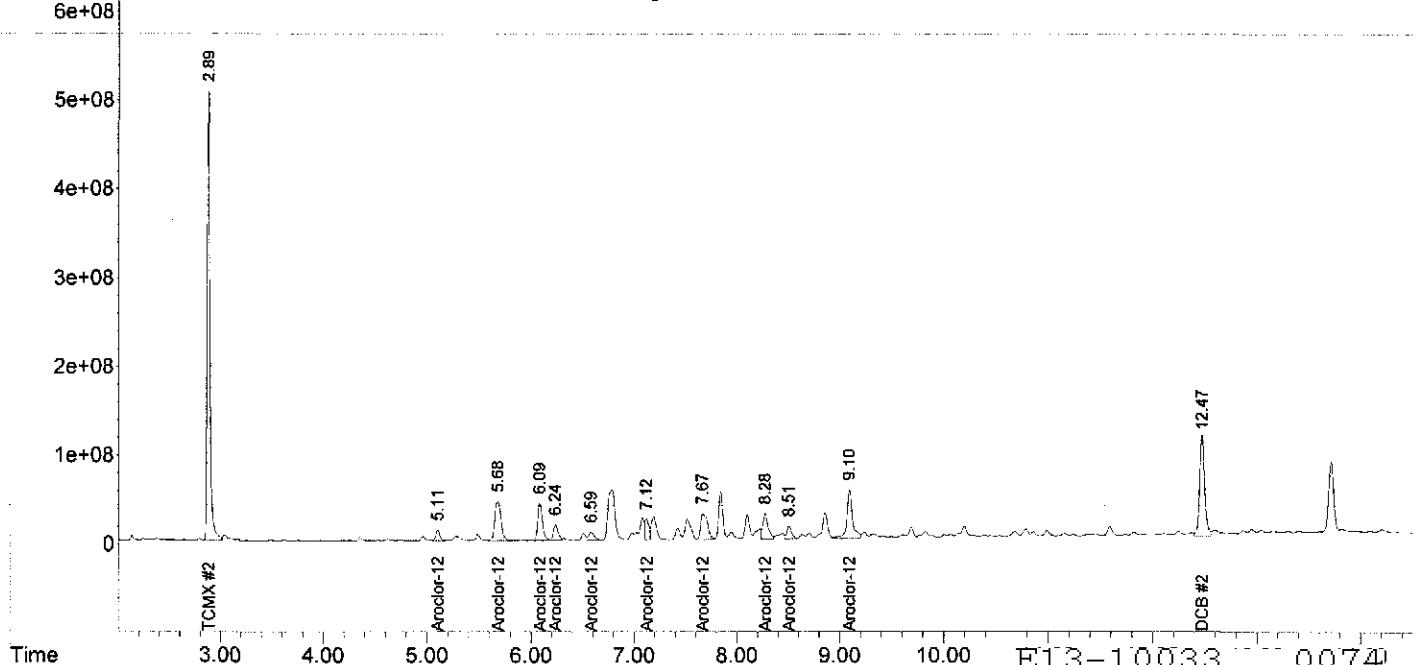
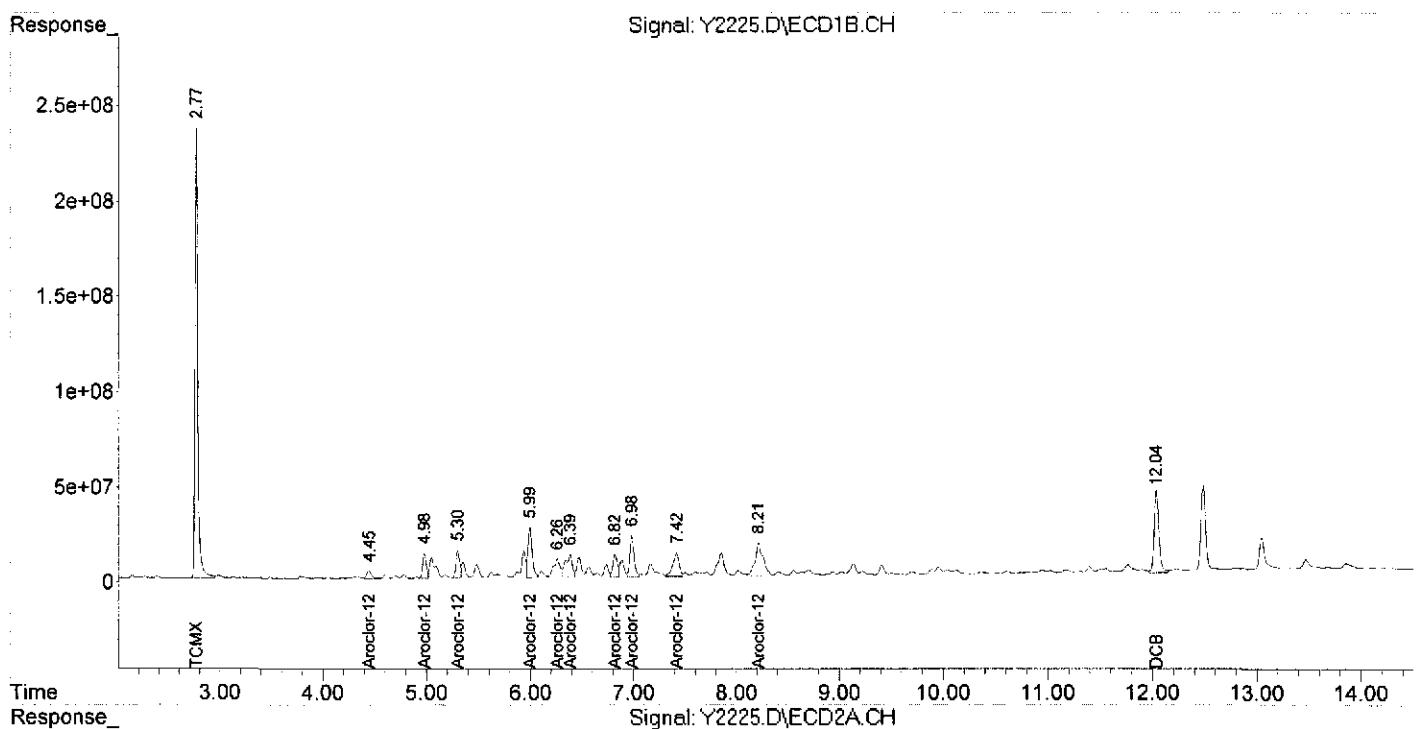
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-14-13\
Data File : Y2225.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Oct 2013 7:03
Operator : NG
Sample : GG-38_(0.E13-10033-006,S,5.71g,76.5,20
Misc : 131011-12,10/11/13,10/09/13,1
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 15 13:45:25 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode; Large solvent peaks clipped

Volume Inj. : Signal #1 Phase : Signal #2 Phase :
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-14-13\
 Data File : Y2226.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2013 7:20
 Operator : NG
 Sample : GG-38_(1,E13-10033-007,S,5.02g,82.4,20
 Misc : 131011-12,10/11/13,10/09/13,1
 ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 15 10:05:08 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
 Quant Title :
 QLast Update : Mon Sep 30 10:08:11 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	4369.3E6	9644.9E6	236.655	262.631
Spiked Amount	200.000			Recovery	= 118.33%	131.32%
2) S DCB	12.04	12.47	1352.9E6	3517.7E6	219.514	272.335m
Spiked Amount	200.000			Recovery	= 109.76%	136.17%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

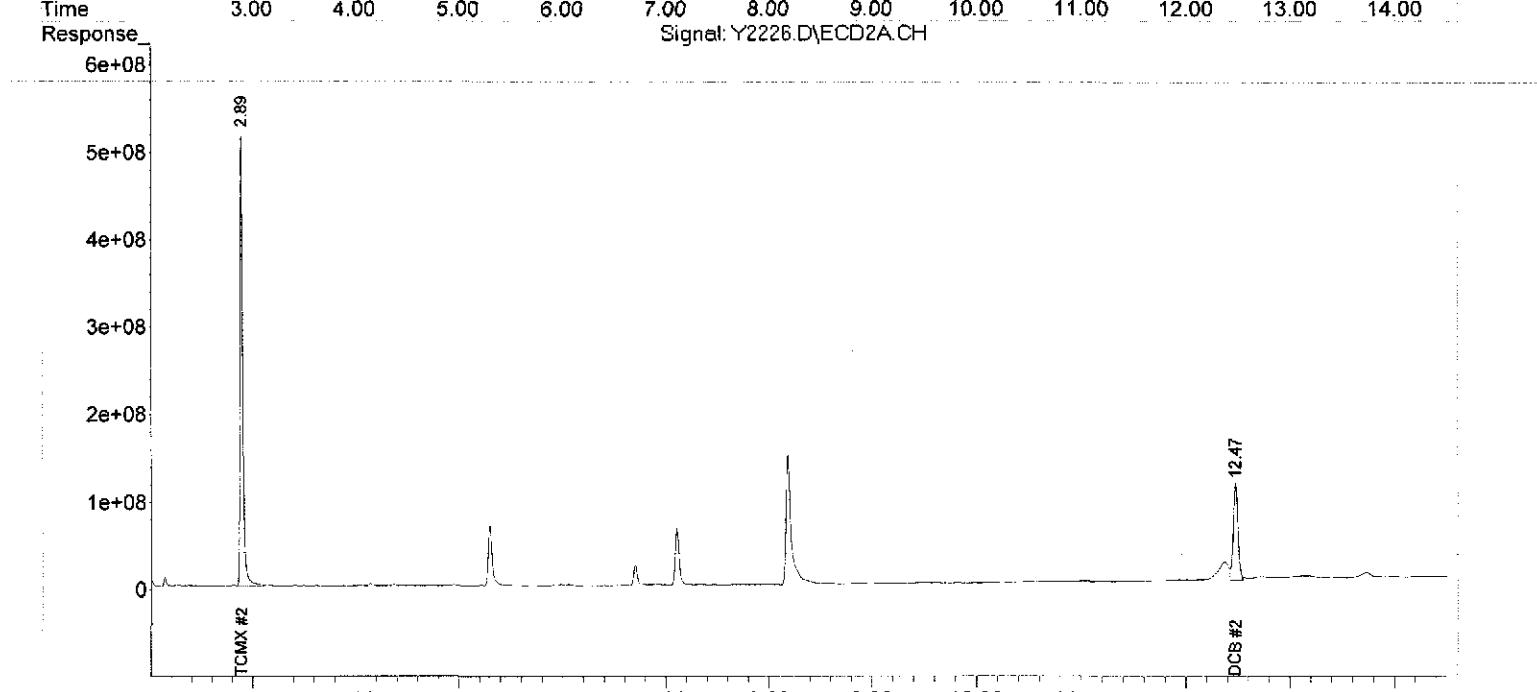
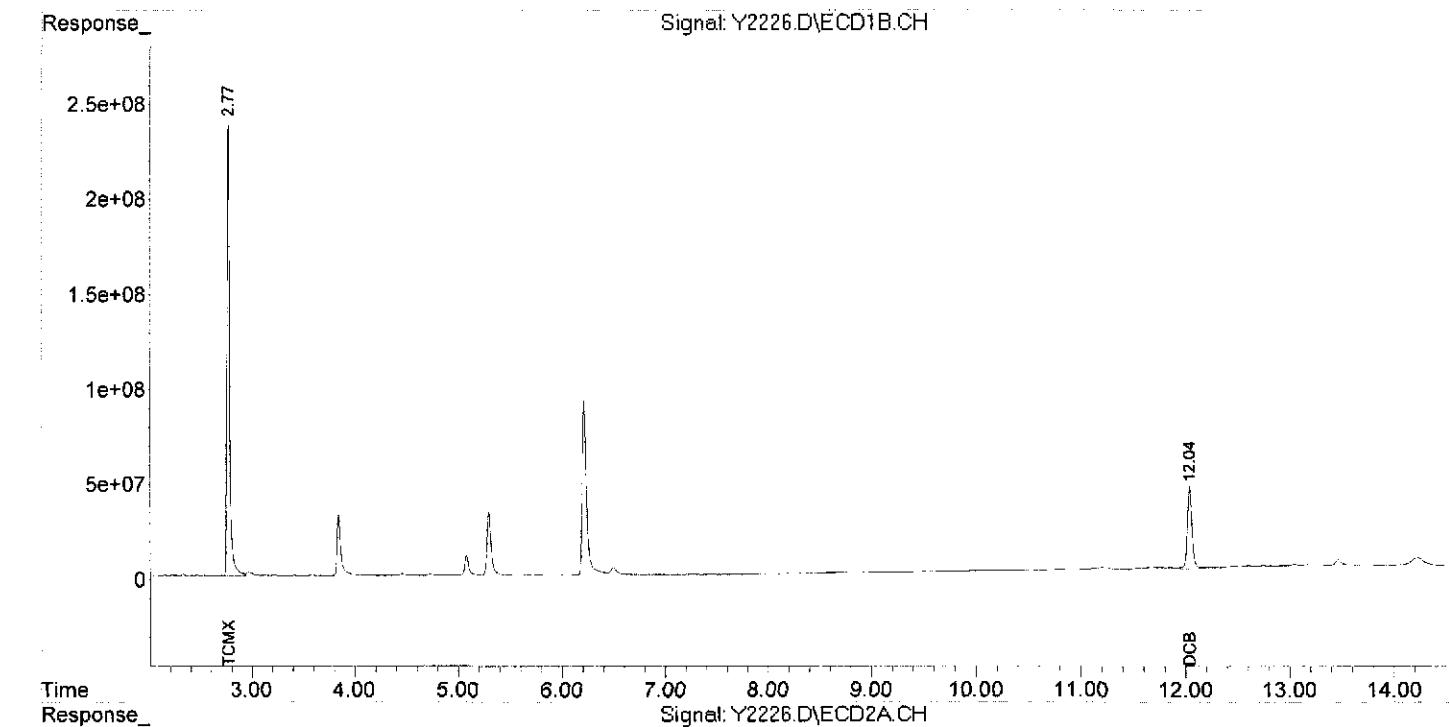
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-14-13\
Data File : Y2226.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Oct 2013 7:20
Operator : NG
Sample : GG-38_(1,E13-10033-007,S,5.02g,82.4,20
Misc : 131011-12,10/11/13,10/09/13,1
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 15 10:05:08 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-14-13\
 Data File : Y2227.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2013 7:38
 Operator : NG
 Sample : GG-38_(2.E13-10033-008.S,5.63g,78.3,20
 Misc : 131011-12,10/11/13,10/09/13,1
 ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 15 10:05:42 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
 Quant Title :
 QLast Update : Mon Sep 30 10:08:11 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.77	2.89	4235.0E6	9240.4E6	229.384	251.616
Spiked Amount	200.000			Recovery	= 114.69%	125.81%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

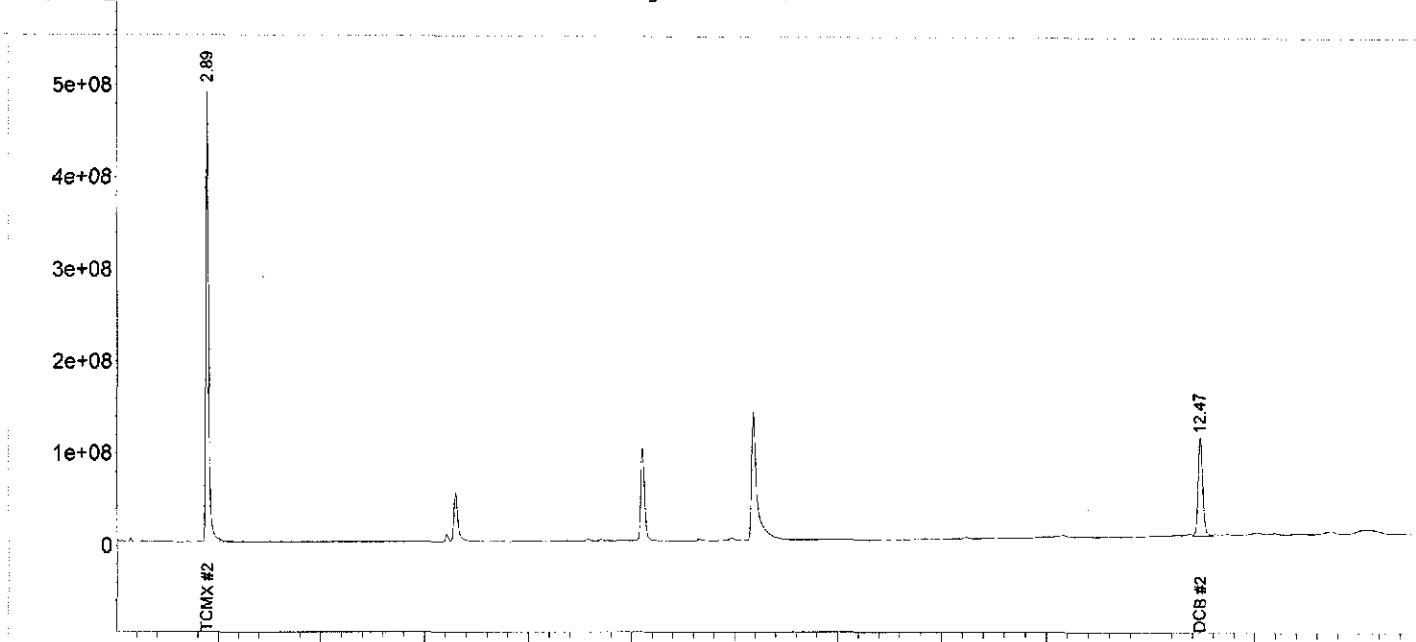
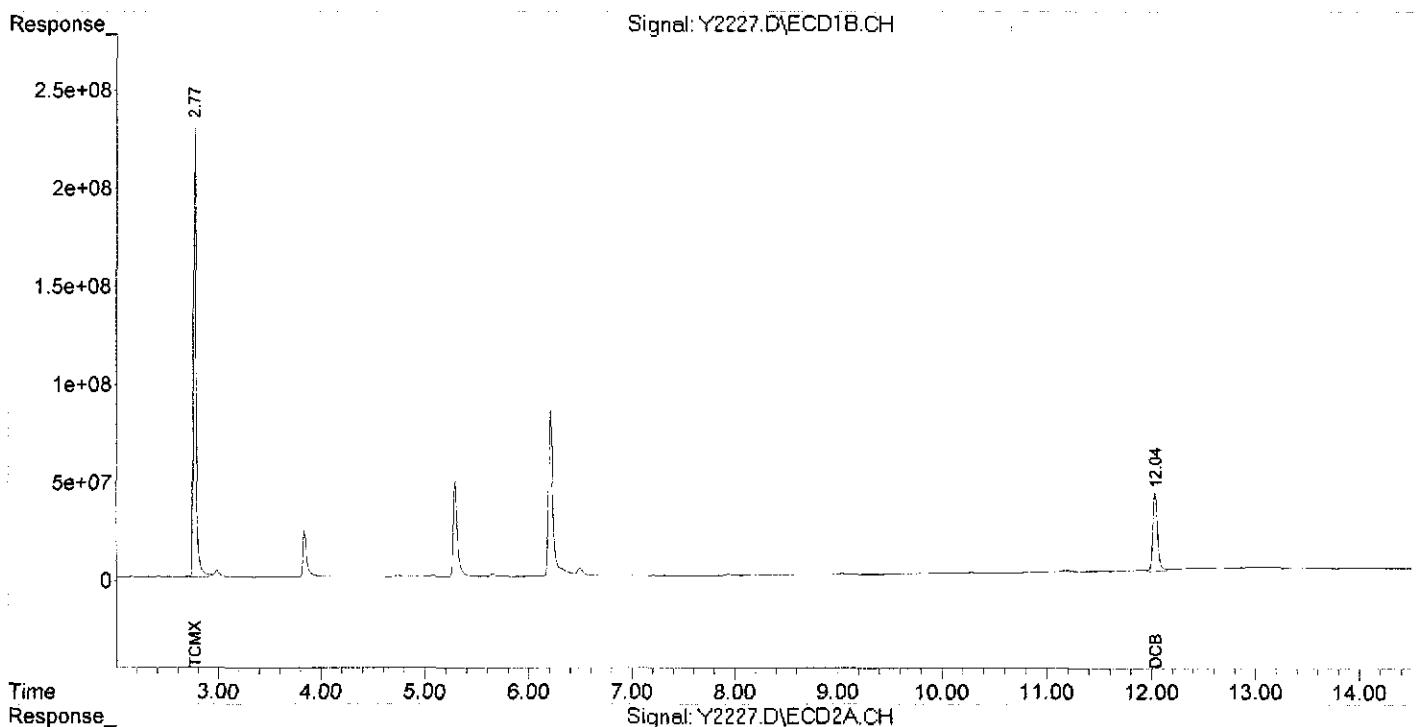
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-14-13\
Data File : Y2227.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Oct 2013 7:38
Operator : NG
Sample : GG-38_(2,E13-10033-008,S,5.63g,78.3,20
Misc : 131011-12,10/11/13,10/09/13,1
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 15 10:05:42 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-14-13\
 Data File : Y2228.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2013 7:55
 Operator : NG
 Sample : GG-38_(3,E13-10033-009,S,5.33g,22.3,20
 Misc : 131011-12,10/11/13,10/09/13,1
 ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 15 10:06:07 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
 Quant Title :
 QLast Update : Mon Sep 30 10:08:11 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	3558.3E6	7536.6E6	192.733	205.223
Spiked Amount	200.000			Recovery	= 96.37%	102.61%
2) S DCB	12.04	12.47	1053.6E6	2785.8E6	170.963	215.672 #
Spiked Amount	200.000			Recovery	= 85.48%	107.84%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

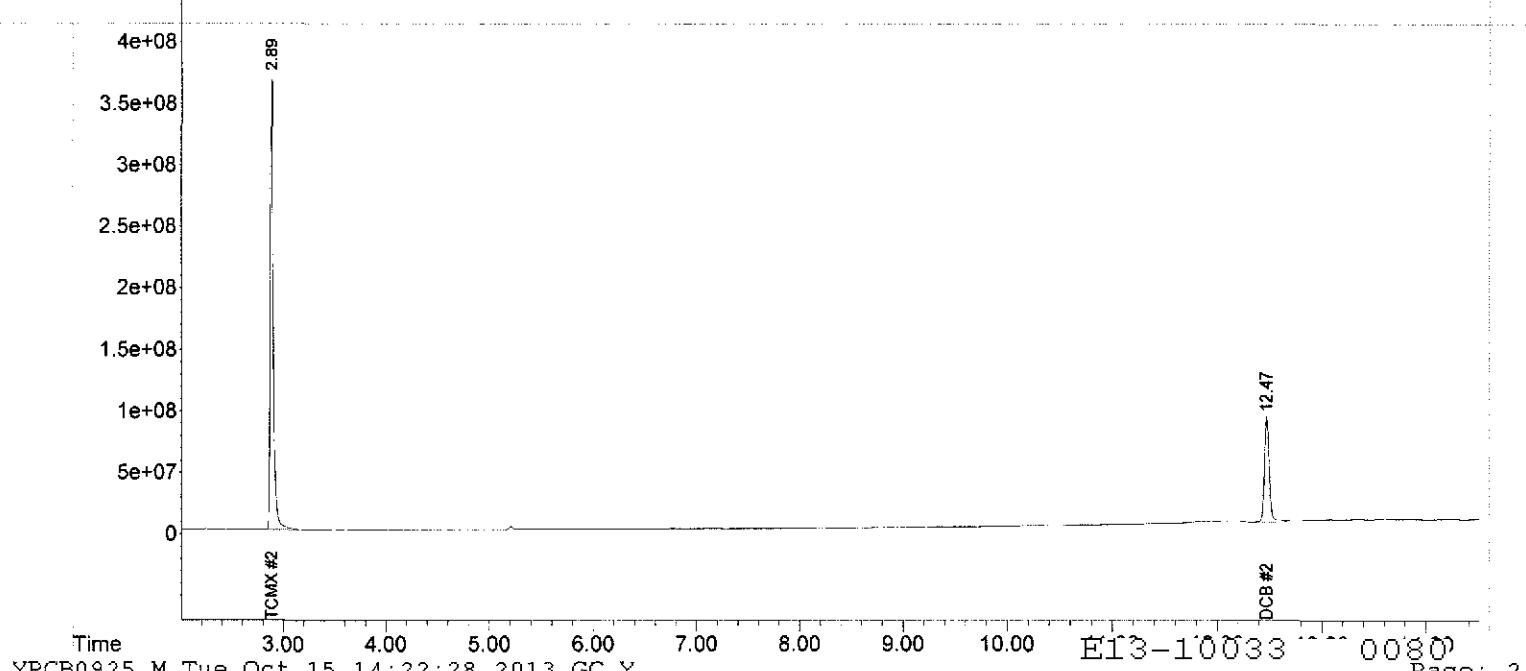
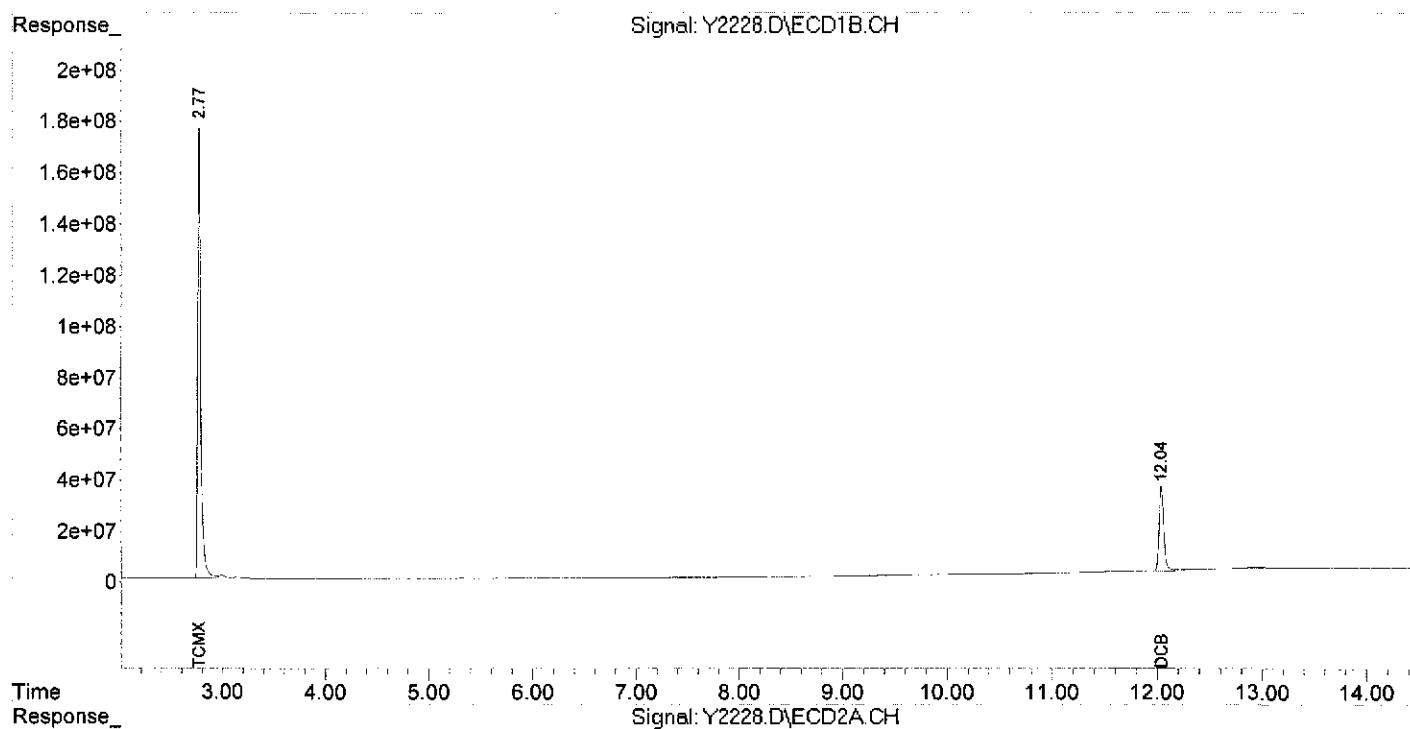
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-14-13\
Data File : Y2228.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Oct 2013 7:55
Operator : NG
Sample : GG-38_(3,E13-10033-009,S,5,33g,22.3,20
Misc : 131011-12,10/11/13,10/09/13,1
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 15 10:06:07 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-14-13\
 Data File : Y2229.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2013 8:12
 Operator : NG
 Sample : BB-41S_(.E13-10033-010,S,5.27g,22.3,20
 Misc : 131011-12,10/11/13,10/09/13,1
 ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 15 14:18:23 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
 Quant Title :
 QLast Update : Mon Sep 30 10:08:11 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	3466.8E6	7335.9E6	187.773	199.756
Spiked Amount	200.000			Recovery	= 93.89%	99.88%
2) S DCB	12.04	12.47	977.5E6	2460.6E6	158.602	190.495
Spiked Amount	200.000			Recovery	= 79.30%	95.25%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.05	4.74	21338339	28708643	47.916	46.969
19) L5 Aroclor-1242 {2}	4.98	5.49	20104039	57780442	69.467	55.937
20) L5 Aroclor-1242 {3}	0.00	6.09	0	94770207	N.D. d	74.538 #
21) L5 Aroclor-1242 {4}	6.00	6.24	16342509	61857008	27.439	55.888m#
22) L5 Aroclor-1242 {5}	0.00	6.77	0	78747368	N.D. d	36.050 #
Sum Aroclor-1242			57784886	321.9E6	144.822	269.383
Average Aroclor-1242					48.274	53.877
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

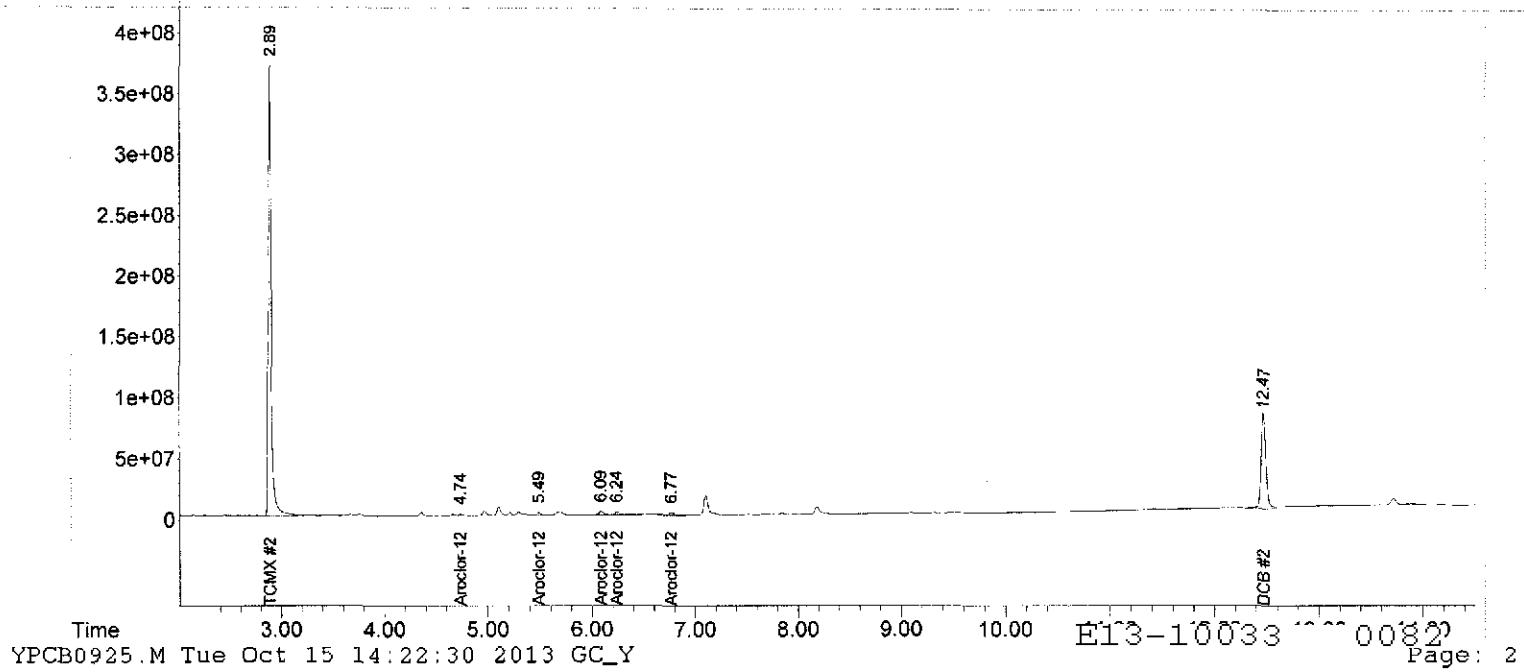
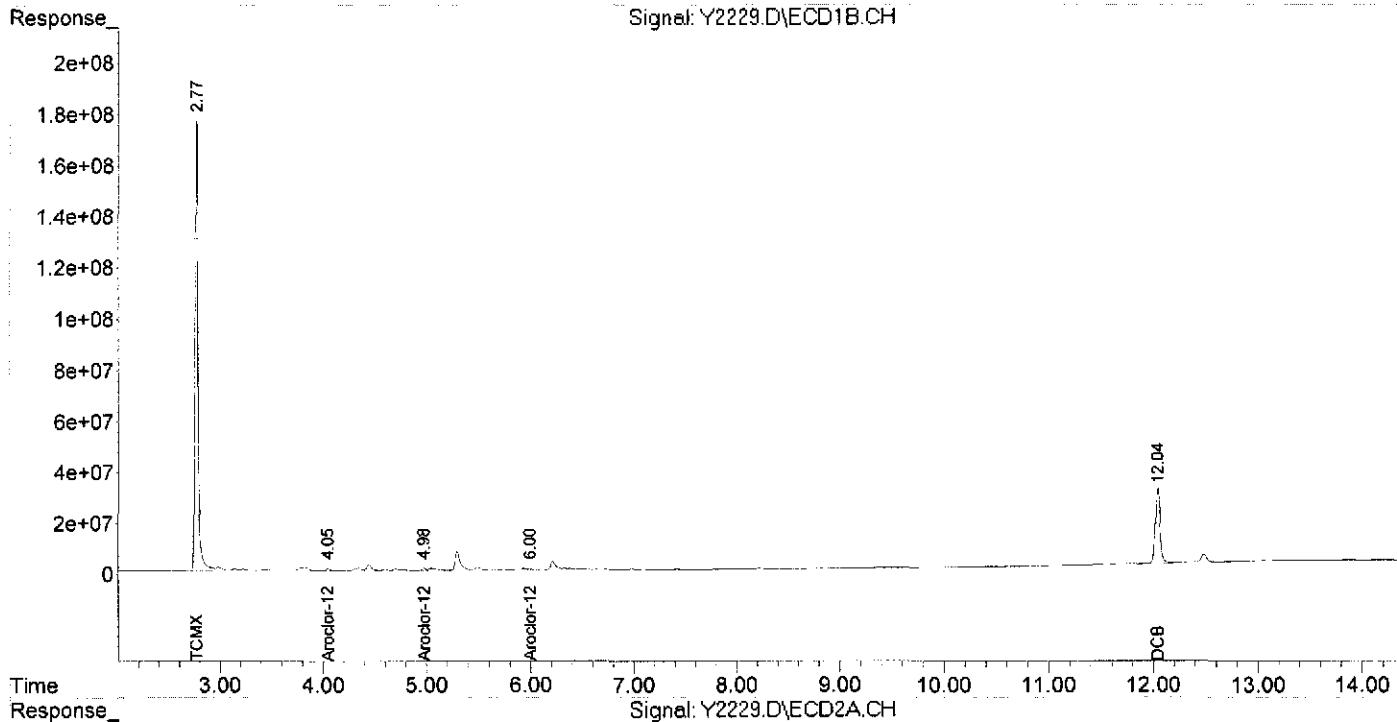
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-14-13\
Data File : Y2229.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Oct 2013 8:12
Operator : NG
Sample : BB-41S_(.E13-10033-010.S.5.27g.22.3.20
Misc : 131011-12.10/11/13.10/09/13.1
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 15 14:18:23 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : Signal #1 Phase : Signal #2 Phase :
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-14-13\
 Data File : Y2230.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2013 8:30
 Operator : NG
 Sample : CC-39N_(.E13-10033-011,S,5.20g,25.1,20
 Misc : 131011-12,10/11/13,10/09/13,1
 ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 15 13:52:44 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
 Quant Title :
 QLast Update : Mon Sep 30 10:08:11 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.77	2.89	3465.7E6	7331.7E6	187.717	199.642
Spiked Amount	200.000			Recovery	= 93.86%	99.82%
Target Compounds						
2) S DCB	12.04	12.47	1008.1E6	2522.7E6	163.573	195.304
Spiked Amount	200.000			Recovery	= 81.79%	97.65%
Sum Aroclor-1016						
Average Aroclor-1016			0	0	N.D. 0.000	N.D. 0.000
Sum Aroclor-1221						
Average Aroclor-1221			0	0	N.D. 0.000	N.D. 0.000
Sum Aroclor-1232						
Average Aroclor-1232			0	0	N.D. 0.000	N.D. 0.000
Sum Aroclor-1242						
Average Aroclor-1242			0	0	N.D. 0.000	N.D. 0.000
23) L6 Aroclor-1248	4.45	5.11	18322032	41992475	17.082	17.521
24) L6 Aroclor-1248 {2}	4.98	5.69	30103738	163.8E6	48.689	46.277
25) L6 Aroclor-1248 {3}	5.30	6.09	39757328	126.0E6	49.983	49.398
26) L6 Aroclor-1248 {4}	6.00	6.24	65758406	79700189	52.052	35.739 #
27) L6 Aroclor-1248 {5}	6.26	6.59	38931095	38722542	38.988	29.903
Sum Aroclor-1248			192.9E6	450.2E6	206.795	178.837
Average Aroclor-1248					41.359	35.767
Sum Aroclor-1254						
Average Aroclor-1254			0	0	N.D. 0.000	N.D. 0.000
Sum Aroclor-1260						
Average Aroclor-1260			0	0	N.D. 0.000	N.D. 0.000
Sum Aroclor-1262						
Average Aroclor-1262			0	0	N.D. 0.000	N.D. 0.000
Sum Aroclor-1268						
Average Aroclor-1268			0	0	N.D. 0.000	N.D. 0.000

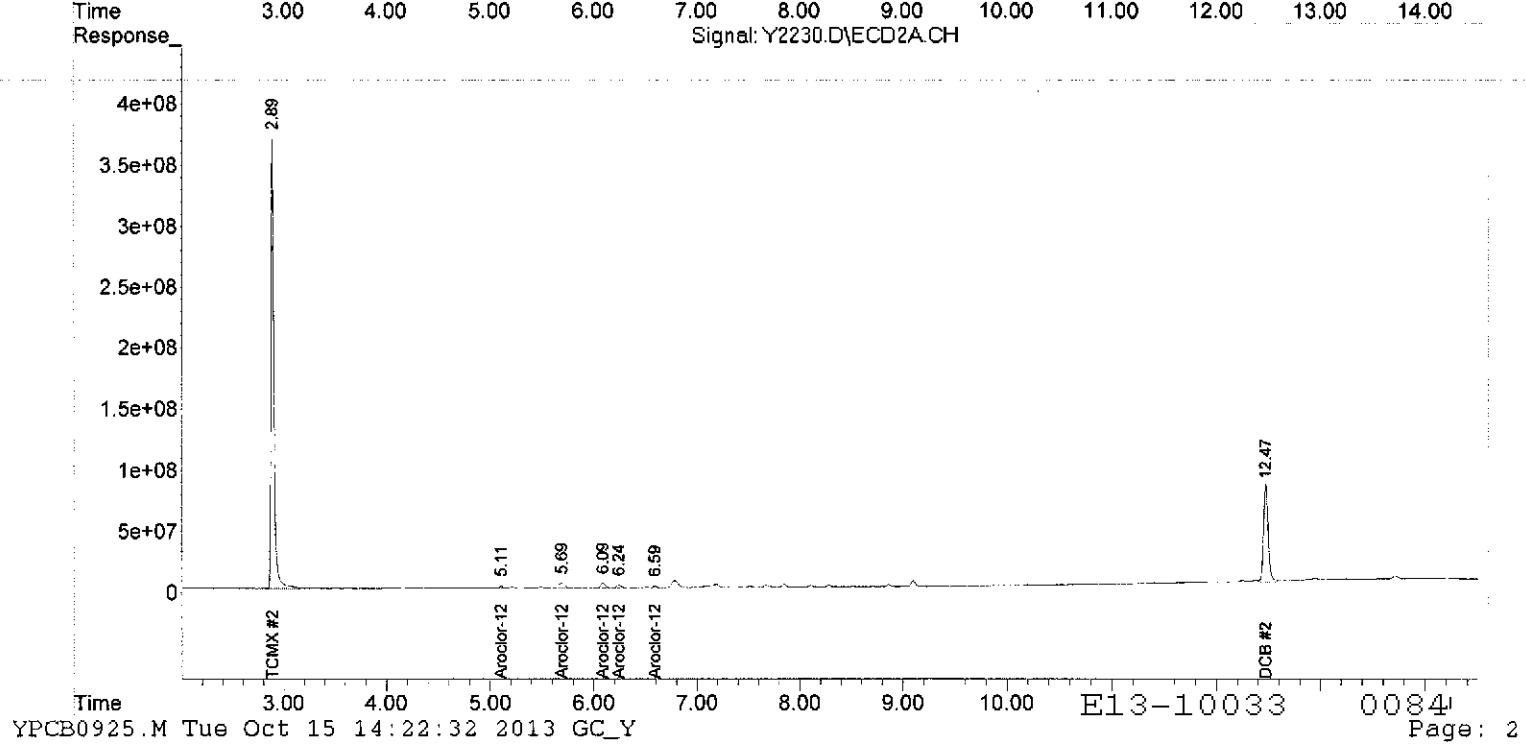
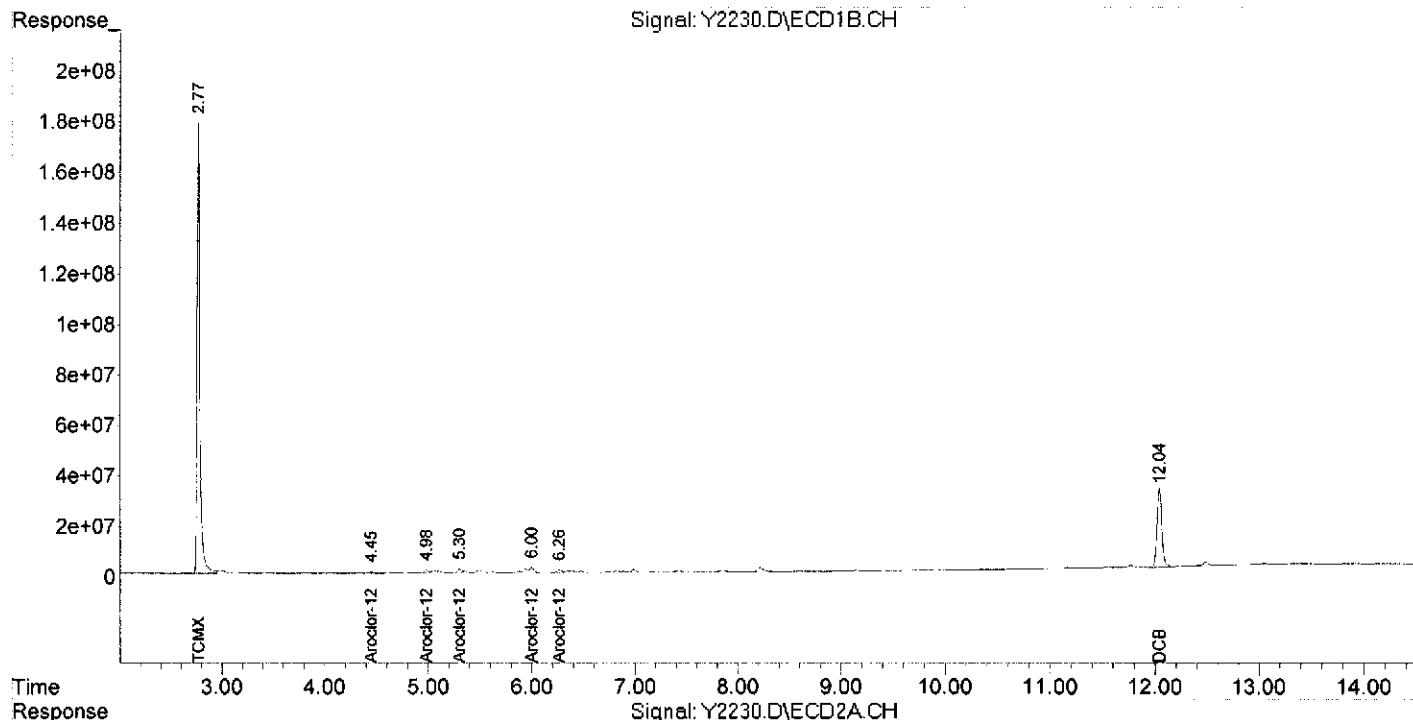
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-14-13\
Data File : Y2230.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Oct 2013 8:30
Operator : NG
Sample : CC-39N_(.E13-10033-011.S,5.20g,25.1,20
Misc : 131011-12,10/11/13,10/09/13,1
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 15 13:52:44 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-14-13\
 Data File : Y2231.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2013 8:47
 Operator : NG
 Sample : DD-38E_(,E13-10033-012,S,5.29g,29.3,20
 Misc : 131011-12,10/11/13,10/09/13,1
 ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 15 13:53:07 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
 Quant Title :
 QLast Update : Mon Sep 30 10:08:11 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	3605.9E6	7695.6E6	195.309	209.551
Spiked Amount	200.000			Recovery	= 97.65%	104.78%
2) S DCB	12.04	12.47	997.5E6	2677.9E6	161.846	207.320 #
Spiked Amount	200.000			Recovery	= 80.92%	103.66%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.45	5.11	30749964	70590700	28.670	29.453
24) L6 Aroclor-1248 {2}	4.98	5.69	27734898	157.3E6	44.858	44.454
25) L6 Aroclor-1248 {3}	5.30	6.09	74289169	118.8E6	93.397	46.569 #
26) L6 Aroclor-1248 {4}	5.99	6.24	61395562	91017177	48.599	40.813
27) L6 Aroclor-1248 {5}	6.26	6.59	45157967	45464843	45.223	35.110
Sum Aroclor-1248			239.3E6	483.2E6	260.747	196.399
Average Aroclor-1248					52.149	39.280
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
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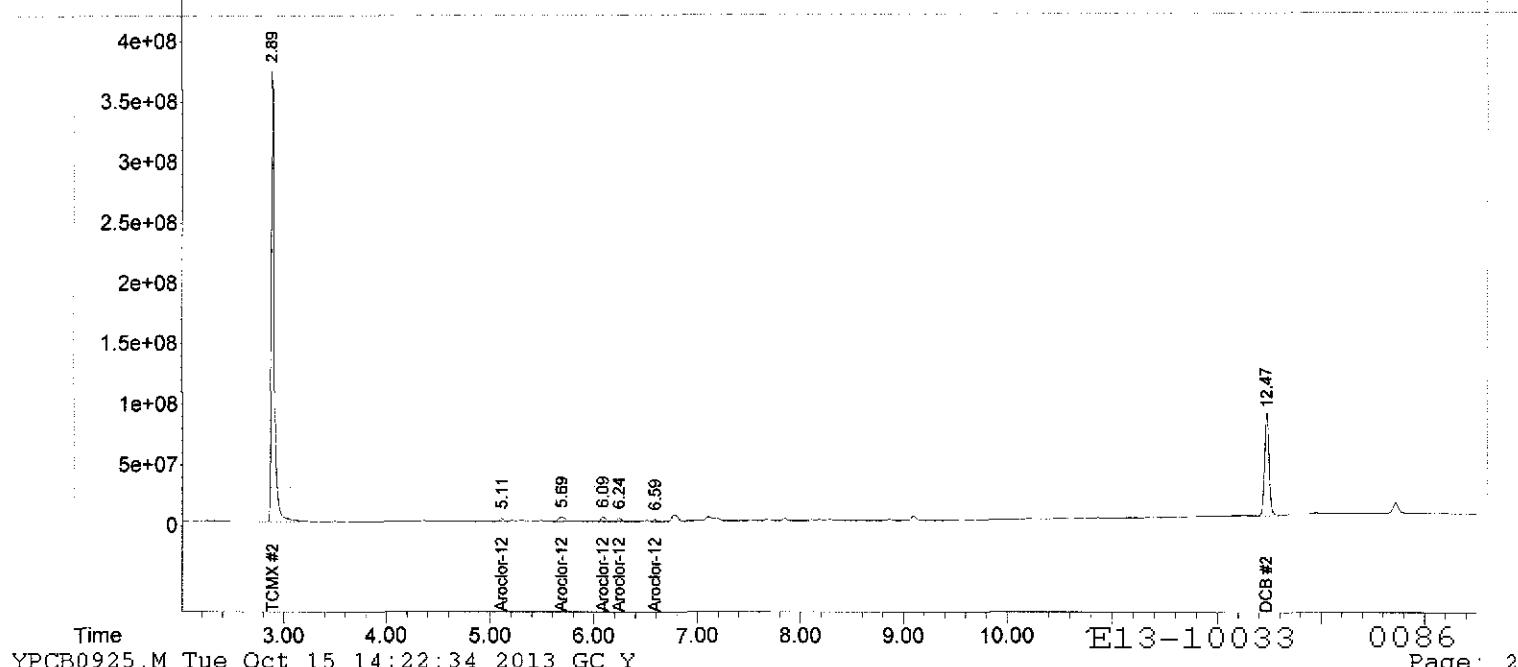
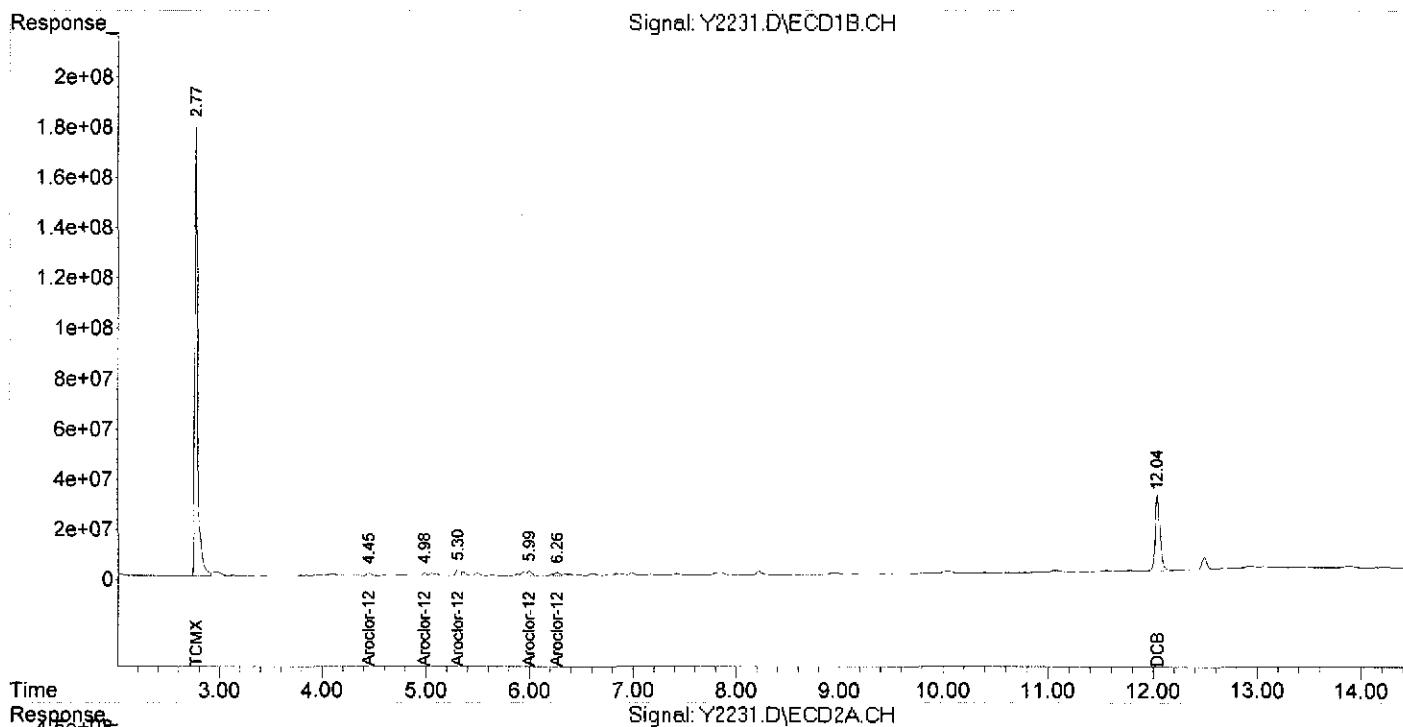
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-14-13\
Data File : Y2231.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Oct 2013 8:47
Operator : NG
Sample : DD-38E_(,E13-10033-012,S.5,29g,29.3,20
Misc : 131011-12,10/11/13,10/09/13,1
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 15 13:53:07 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\10-14-13\
 Data File : R4751.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 14 Oct 2013 19:11
 Operator : NG
 Sample : DD-38E_(,E13-10033-013,S,5.42g,24.5,20
 Misc : 131014-07,10/14/13,10/09/13,1
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 15 10:24:16 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
 Quant Title :
 QLast Update : Wed Sep 25 15:09:16 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

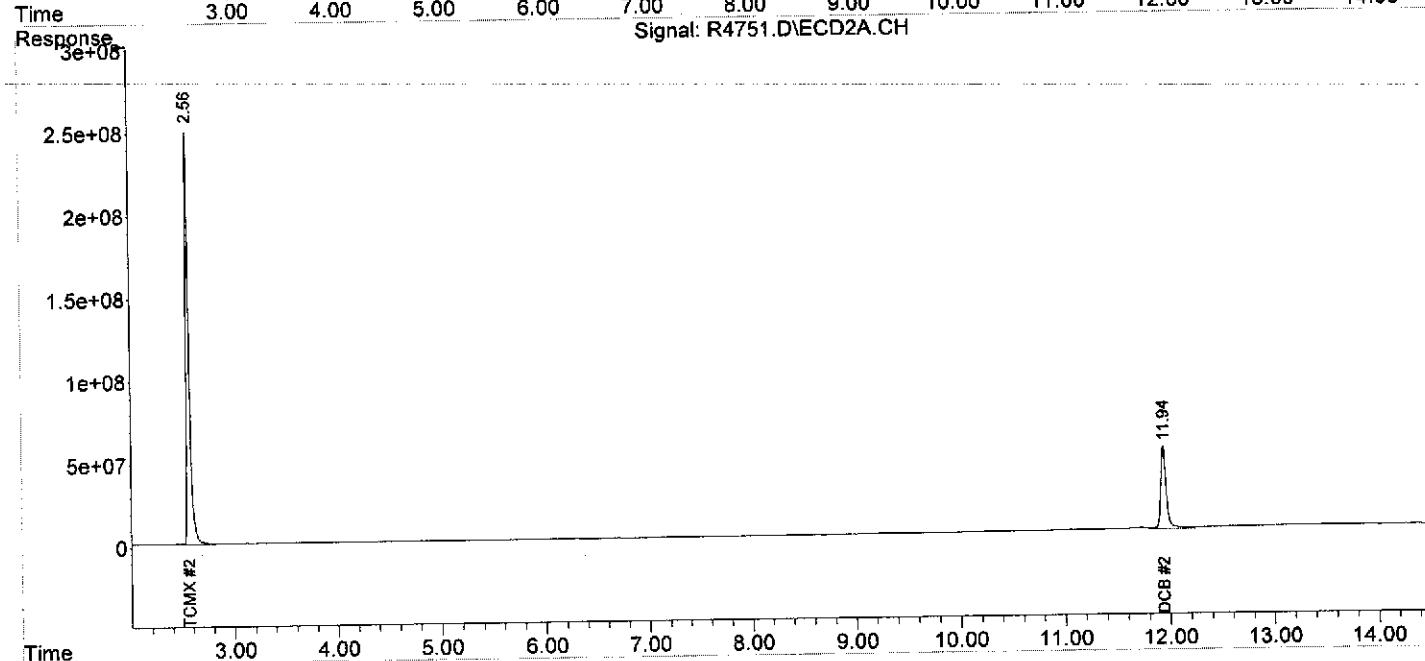
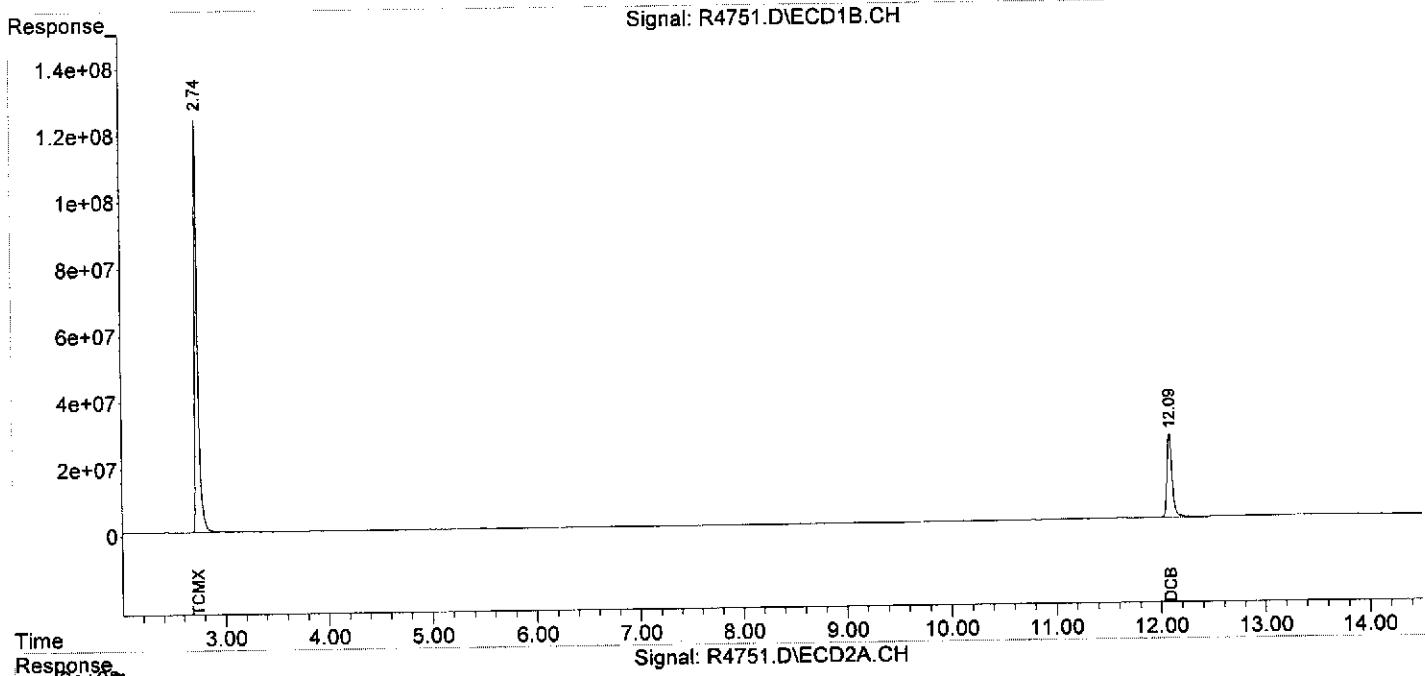
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.74	2.56	2518.0E6	5185.5E6	215.236	235.445
Spiked Amount	200.000			Recovery	= 107.62%	117.72%
2) S DCB	12.09	11.94	908.5E6	1928.9E6	243.214	297.473
Spiked Amount	200.000			Recovery	= 121.61%	148.74%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\10-14-13\
Data File : R4751.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Oct 2013 19:11
Operator : NG
Sample : DD-38E_(,E13-10033-013,S,5.42g,24.5,20
Misc : 131014-07,10/14/13,10/09/13,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 15 10:24:16 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
Quant Title :
QLast Update : Wed Sep 25 15:09:16 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\10-14-13\
 Data File : R4752.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 14 Oct 2013 19:28
 Operator : NG
 Sample : FF-36N (,E13-10033-014,S,5.67g,21.7,20
 Misc : 131014-07,10/14/13,10/09/13,1
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 15 10:09:13 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
 Quant Title :
 QLast Update : Wed Sep 25 15:09:16 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

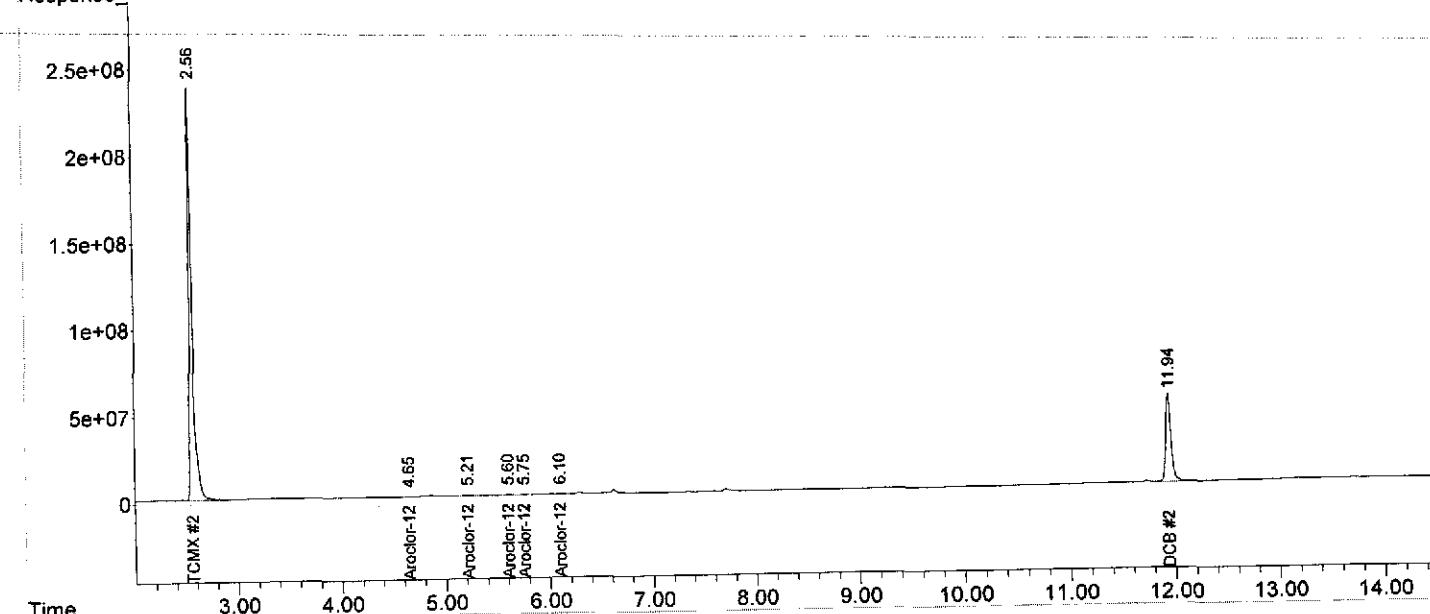
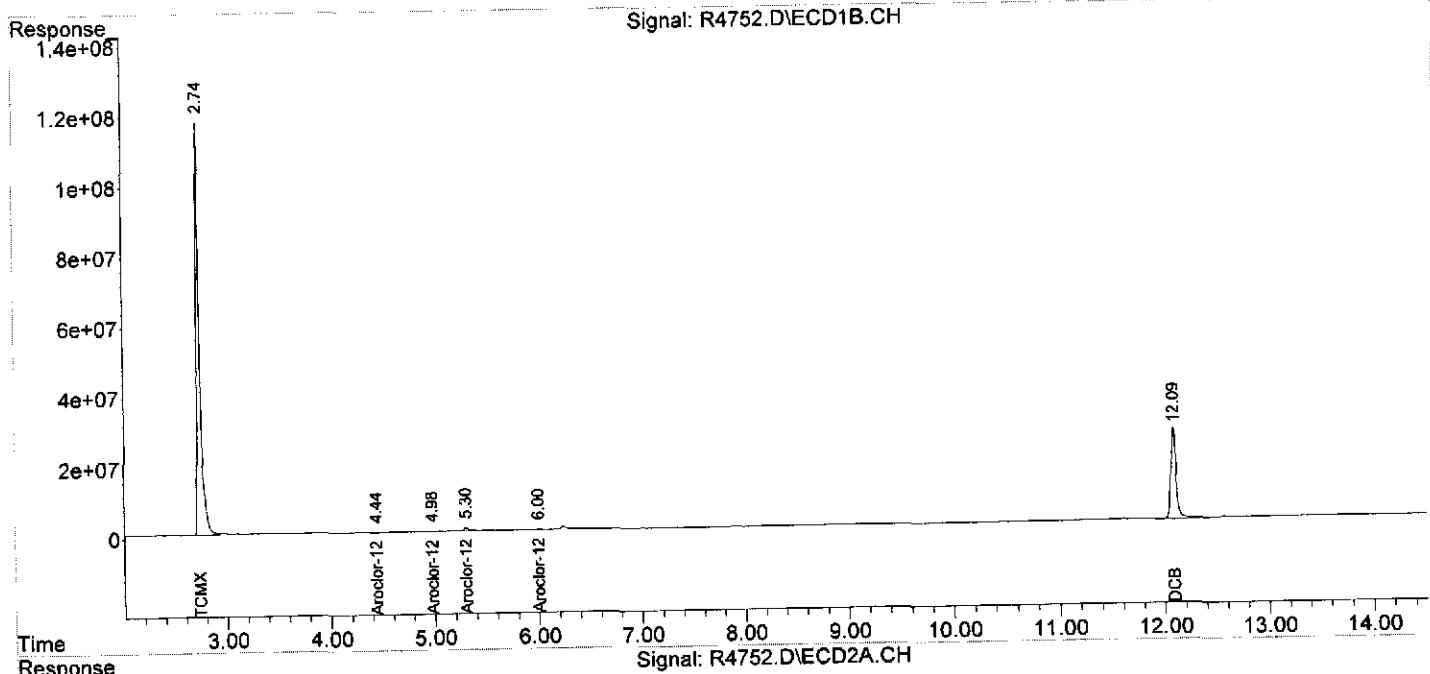
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.74	2.56	2582.1E6	5339.7E6	220.712	242.449
Spiked Amount	200.000			Recovery	= 110.36%	121.22%
2) S DCB	12.09	11.94	956.3E6	1817.0E6	256.035	280.222
Spiked Amount	200.000			Recovery	= 128.02%	140.11%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.44	4.65	3182855	7389563	4.934	6.177 #
24) L6 Aroclor-1248 {2}	4.98	5.21	3095828	23331968	8.344	13.054 #
25) L6 Aroclor-1248 {3}	5.30	5.60	22686809	17290527	46.422m	13.515 #
26) L6 Aroclor-1248 {4}	6.00	5.75	8963090	11642306	11.322	10.067
27) L6 Aroclor-1248 {5}	0.00	6.10		6647013	N.D. d	10.544 #
Sum Aroclor-1248			37928582	66301377	71.022	53.356
Average Aroclor-1248					17.755	10.671
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\10-14-13\
Data File : R4752.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Oct 2013 19:28
Operator : NG
Sample : FF-36N_(,E13-10033-014,S,5.67g,21.7,20
Misc : 131014-07,10/14/13,10/09/13,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 15 10:09:13 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
Quant Title :
QLast Update : Wed Sep 25 15:09:16 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\10-15-13\
 Data File : R4777.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2013 10:37
 Operator : JS
 Sample : FB-18,E13-10033-015,A,1000ml,100,5
 Misc : 131014-14,10/14/13,10/09/13,1
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 15 15:25:48 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
 Quant Title :
 QLast Update : Wed Sep 25 15:09:16 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

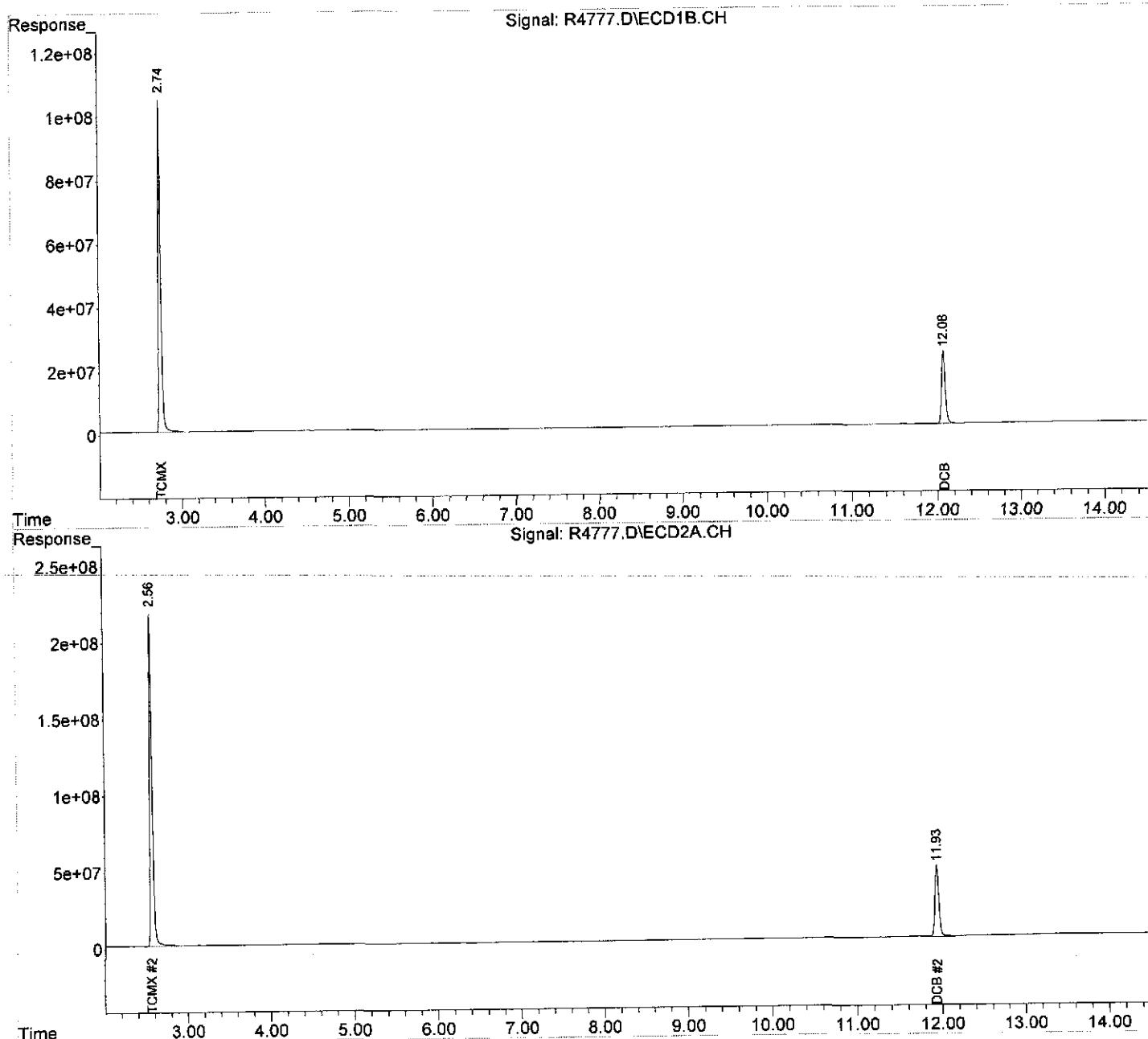
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.74	2.56	2120.1E6	4574.1E6	181.220	207.684
Spiked Amount	200.000			Recovery	= 90.61%	103.84%
2) S DCB	12.08	11.93	704.4E6	1548.3E6	188.594	238.779 #
Spiked Amount	200.000			Recovery	= 94.30%	119.39%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\10-15-13\
Data File : R4777.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Oct 2013 10:37
Operator : JS
Sample : FB-18,E13-10033-015,A,1000ml,100,5
Misc : 131014-14,10/14/13,10/09/13,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 15 15:25:48 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
Quant Title :
QLast Update : Wed Sep 25 15:09:16 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: BLKA131014-14
Client ID: PCB
Date Received: NA
Date Extracted: 10/14/2013
Date Analyzed: 10/15/2013
Data file: R4776.D

GC Column: DB-5/DB1701P
Sample wt/vol: 1000ml
Matrix-Units: Aqueous- μ g/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.050	0.020
Aroclor-1221	ND		0.050	0.020
Aroclor-1232	ND		0.050	0.020
Aroclor-1242	ND		0.050	0.020
Aroclor-1248	ND		0.050	0.020
Aroclor-1254	ND		0.050	0.020
Aroclor-1260	ND		0.050	0.020
Aroclor-1262	ND		0.050	0.020
Aroclor-1268	ND		0.050	0.020
PCBs	ND		0.050	0.020

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-15-13\
 Data File : R4776.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2013 10:20
 Operator : JS
 Sample : PCB, BLKA131014-14,A,1000ml,100,5
 Misc : NA,NA,NA,1
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 15 15:25:18 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
 Quant Title :
 QLast Update : Wed Sep 25 15:09:16 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

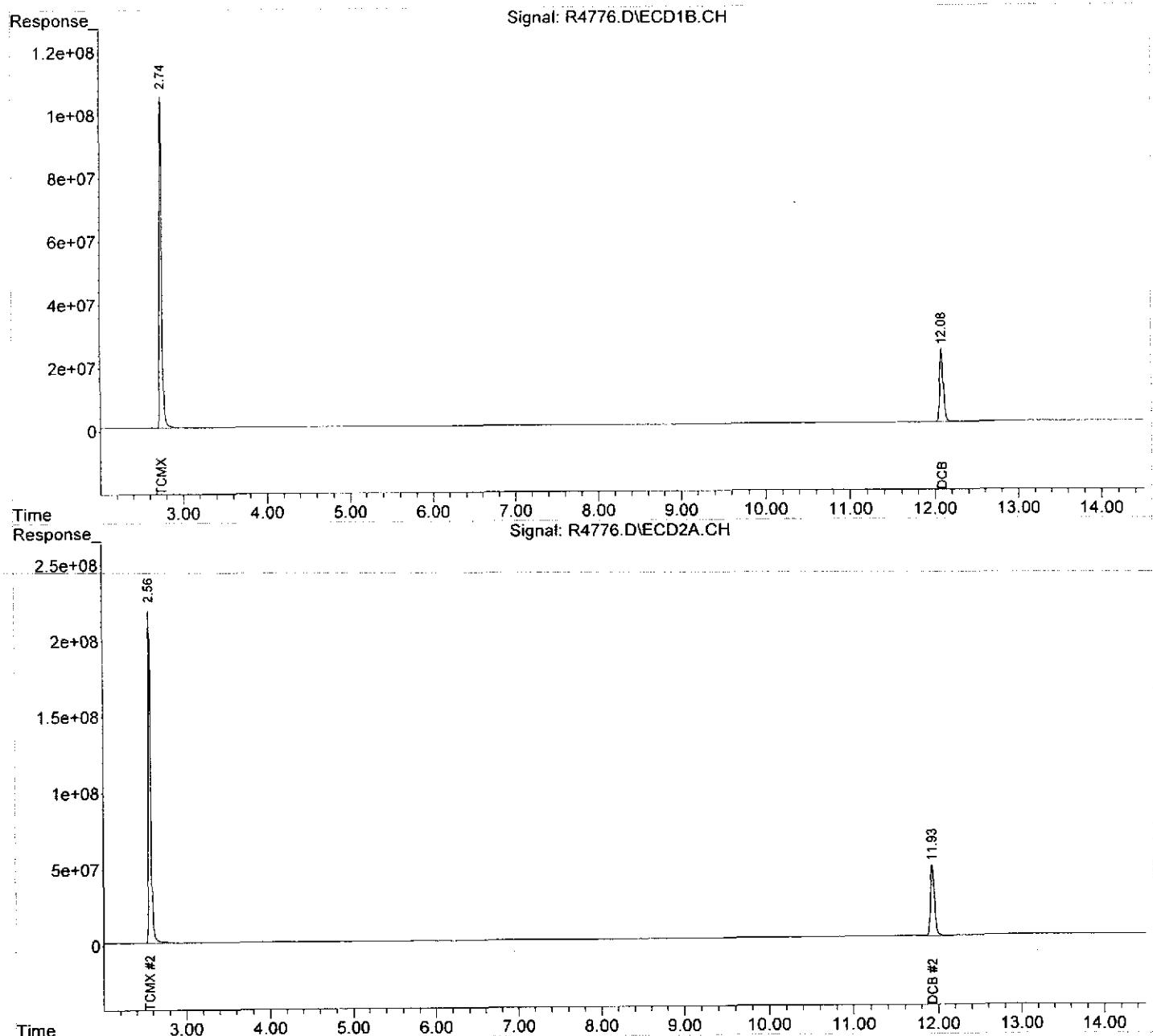
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.74	2.56	2087.2E6	4490.3E6	178.411	203.881
Spiked Amount	200.000			Recovery	=	89.21% 101.94%
2) S DCB	12.08	11.93	715.9E6	1576.1E6	191.654	243.073 #
Spiked Amount	200.000			Recovery	=	95.83% 121.54%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\10-15-13\
Data File : R4776.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Oct 2013 10:20
Operator : JS
Sample : PCB, BLKA131014-14,A,1000ml,100,5
Misc : NA,NA,NA,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 15 15:25:18 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
Quant Title :
QLast Update : Wed Sep 25 15:09:16 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: BLKS131014-07
Client ID: PCB
Date Received: NA
Date Extracted: 10/14/2013
Date Analyzed: 10/14/2013
Data file: R4741.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: NA

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.040	0.016
Aroclor-1221	ND		0.040	0.016
Aroclor-1232	ND		0.040	0.016
Aroclor-1242	ND		0.040	0.016
Aroclor-1248	ND		0.040	0.016
Aroclor-1254	ND		0.040	0.016
Aroclor-1260	ND		0.040	0.016
Aroclor-1262	ND		0.040	0.016
Aroclor-1268	ND		0.040	0.016
PCBs	ND		0.040	0.016

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

Data Path : C:\MSDCHEM\1\DATA\10-14-13\
 Data File : R4741.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 14 Oct 2013 15:16
 Operator : NG
 Sample : PCB, BLKS131014-07, S, 5.00g, 0, 20
 Misc : NA, NA, NA, 1
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 14 15:46:20 2013
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
 Quant Title :
 QLast Update : Wed Sep 25 15:09:16 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

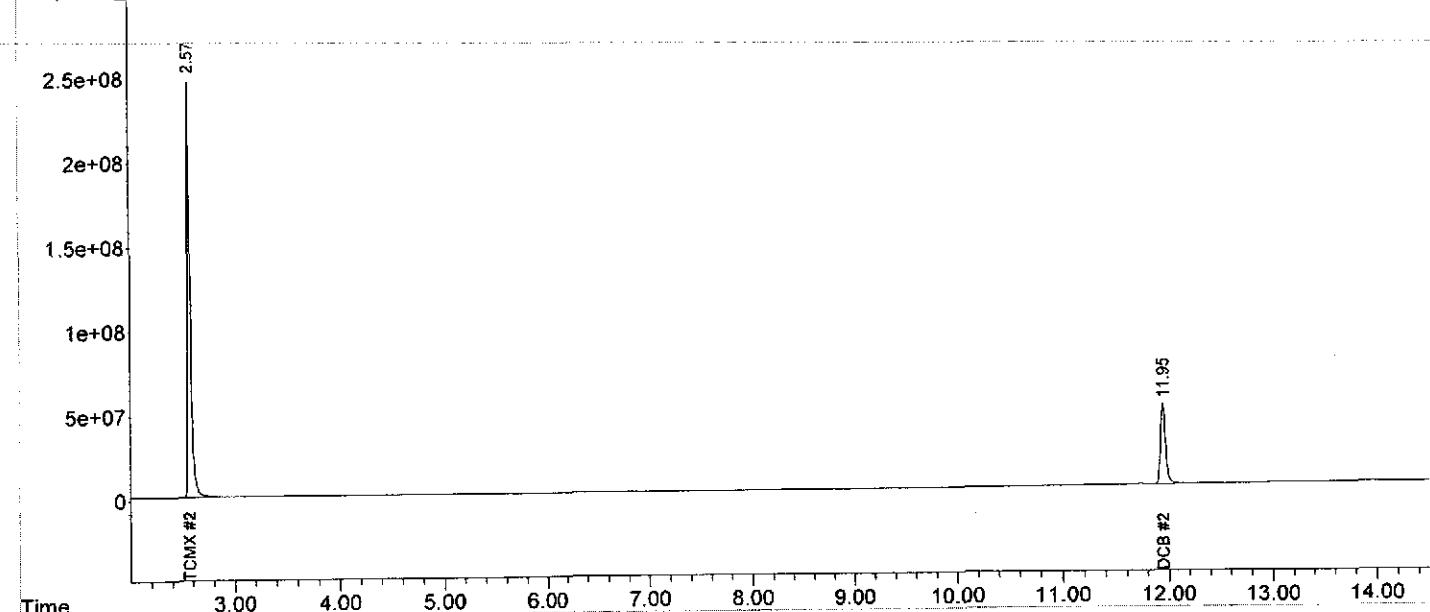
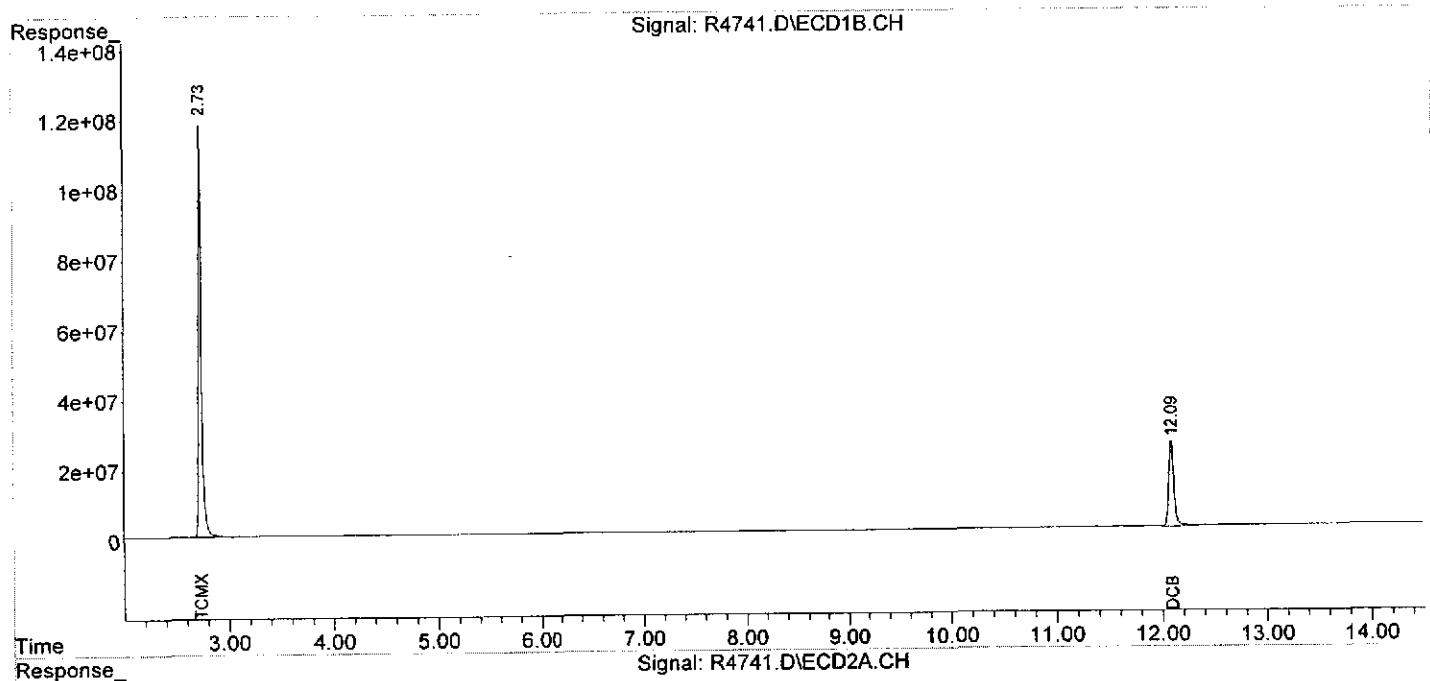
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.73	2.57	2344.4E6	4946.1E6	200.394	224.574
Spiked Amount	200.000			Recovery	= 100.20%	112.29%
2) S DCB	12.09	11.95	858.3E6	1654.5E6	229.799	255.160
Spiked Amount	200.000			Recovery	= 114.90%	127.58%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\10-14-13\
Data File : R4741.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 Oct 2013 15:16
Operator : NG
Sample : PCB, BLKS131014-07, S, 5.00g, 0, 20
Misc : NA, NA, NA, 1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 14 15:46:20 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0925.M
Quant Title :
QLast Update : Wed Sep 25 15:09:16 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: BLKS131011-12

Client ID: PCB

Date Received: NA

Date Extracted: 10/11/2013

Date Analyzed: 10/15/2013

Data file: Y2207.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.00g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: NA

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.040	0.016
Aroclor-1221	ND		0.040	0.016
Aroclor-1232	ND		0.040	0.016
Aroclor-1242	ND		0.040	0.016
Aroclor-1248	ND		0.040	0.016
Aroclor-1254	ND		0.040	0.016
Aroclor-1260	ND		0.040	0.016
Aroclor-1262	ND		0.040	0.016
Aroclor-1268	ND		0.040	0.016
PCBs	ND		0.040	0.016

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-14-13\
 Data File : Y2207.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2013 00:06
 Operator : NG
 Sample : PCB.BLKS131011-12,S,5.00g,0.20
 Misc : NA,NA,NA,1
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 15 09:30:17 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
 Quant Title :
 QLast Update : Mon Sep 30 10:08:11 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	3674.1E6	7648.7E6	199.001	208.272
Spiked Amount	200.000		Recovery	=	99.50%	104.14%
2) S DCB	12.04	12.47	1127.8E6	2786.5E6	182.988	215.726
Spiked Amount	200.000		Recovery	=	91.49%	107.86%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

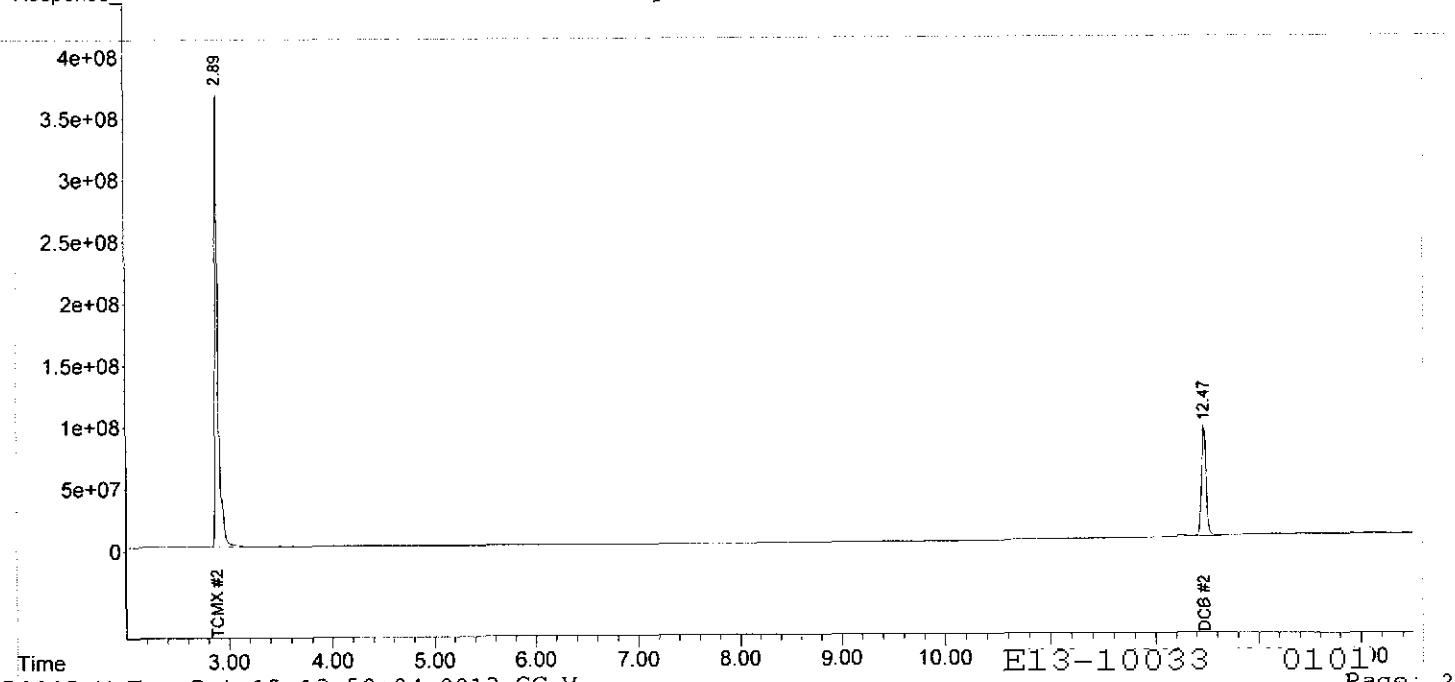
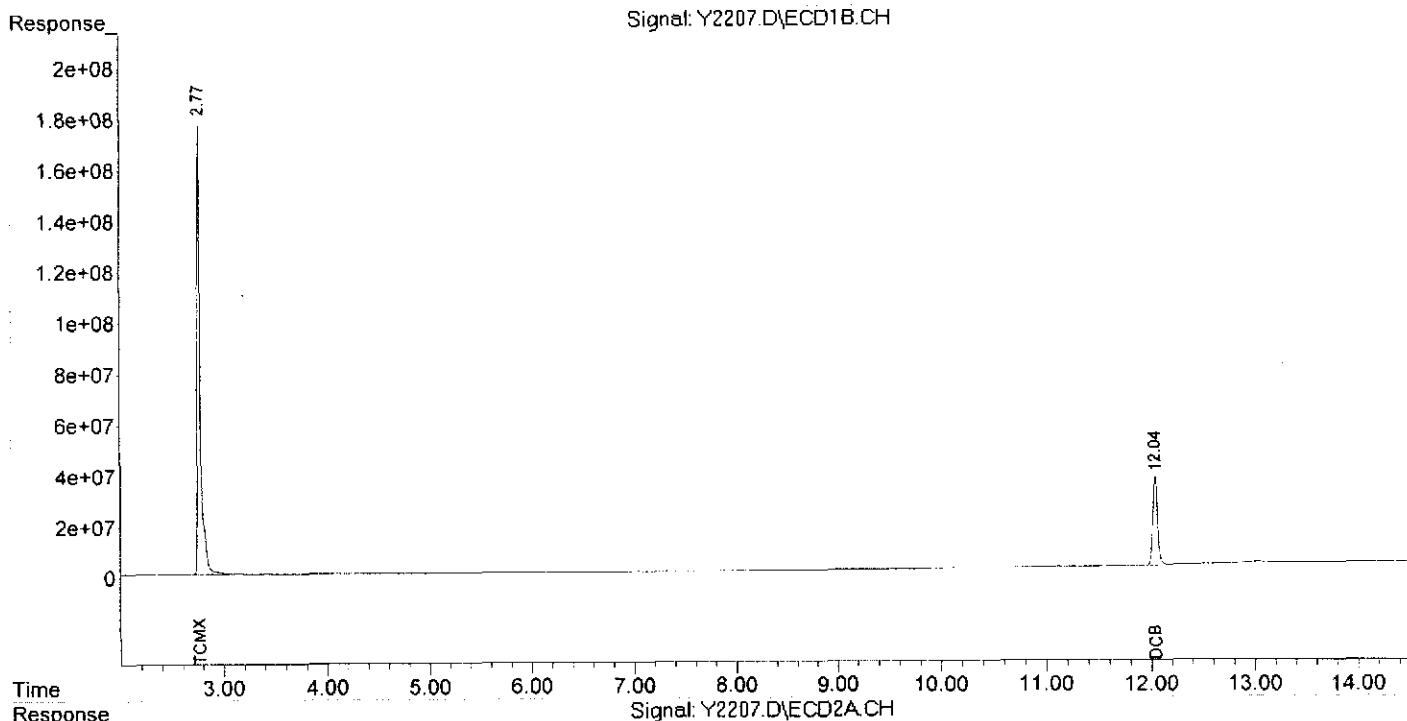
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-14-13\
Data File : Y2207.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Oct 2013 00:06
Operator : NG
Sample : PCB.BLKS131011-12.S, 5.00g, 0.20
Misc : NA,NA,NA,1
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 15 09:30:17 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



SAMPLE TRACKING



**Integrated Analytical Labs
273 Franklin Rd
Randolph, NJ 07869**

Contact Us: 973 361-4252
fax: 973 989-5288
Web: www.lalonline.com

CUSTOMER INFO

REPORTING INFO

Company: JMC Environmental Consultants, Inc.	REPORT TO:	James Clabby
Address: 2109 Bridge Ave., Bldg. B	Address:	same
Point Pleasant, NJ 08742		
Telephone #: (732) 295-2144	Attn:	
Fax #: (732) 295-2150	FAX # (732) 295-2150	
Project Manager: James Clabby	INVOICE TO:	Aceto Corp.
EMAIL Address: jclabby@jmcevironmental.com	Address: 4 Tri Harbor Court	
Sampler: Steve Kesch, Chris Cho	Port Washington, NY 11050	
Project Name: Arsynco	(with copy to: JMC Environmental (stn.: J. Clabby))	
Project Location (State): NJ	Attn: Ed Kelly	
Bottle Order #:	PO # 22126	
Quote #: SR041205	Sample Matrix	

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)					
*Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. **RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE					
PHC - MUST CHOOSE			Rush TAT Charge **	Report Format	EDDs
NJ EPH DRO (5 day TAT)	NJ EPH Fractionated (5 day TAT)		24 hr - 100% 48 hr - 75% 72 hr - 50% 96 hr - 35% 5 day - 25% 6-9 day 10%	Results Only	SRP format lab approved custom EDD
NJ EPH - C40 (5 day TAT) DRO-3015 (3-day TAT)	QAM025 (5 day TAT)			Reduced Regulatory - 15% Surcharge applies Other (describe)	
Verbal/Fax: Std 2 wk unless otherwise specified					
24 hr**	48 hr**	72 hr**	96 hr**	1 wk**	
Other** (specify): _____					
Hard Copy: Std 3 week *		Other - call for price			
		Cooler Temp  °C			

SAMPLE INFORMATION

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

CARRIER (check one):	IAL Courier	Client Courier	FedEx/UPS	
<input checked="" type="checkbox"/>	Signature/Company	Date	Time	Signature/Comments
Re- lationship: <input checked="" type="checkbox"/>		10/9/13	14:12	Received by:
Re- lationship: <input checked="" type="checkbox"/>		10/10/13	16:30	Received by:
Re- lationship: <input checked="" type="checkbox"/>				Received by:
Re- lationship: <input checked="" type="checkbox"/>				Received by:
Re- lationship: <input checked="" type="checkbox"/>				Received by:

14 COPIES - WHITE & YELLOW; CLIENT COPY - FINE

10

Comments:

Lab Case #

PAGE: 1 of 9



**Integrated Analytical Labs
273 Franklin Rd
Randolph, NJ 07869**

Contact Us: 973 361-4252
fax: 973 989-5288
Web: www.lalonline.com

CUSTOMER INFO

REPORTING INFO

Company: JMC Environmental Consultants, Inc.	REPORT TO:	James Clabby
Address: 2109 Bridge Ave., Bldg. B	Address:	same
Point Pleasant, NJ 08742		
Telephone #: (732) 295-2144	Attn:	
Fax #: (732) 295-2150	FAX #	(732) 295-2150
Project Manager: James Clabby	INVOICE TO:	Aceto Corp.
EMAIL Address: jclabby@jmceenvironmental.com	Address:	4 Tri Harbor Court
Sampler: Steve Kosch, Chris Cho		Port Washington, NY 11050
Project Name: Arsynco		(with copy to: JMC Environmental (attn.: J. Clabby))
Project Location (State): NJ	Attn:	Ed Kelly
Bottle Order #:	PO #	22126
Quote # : SR041205		Sample Matrix

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)

***Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. **RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE**

PHC - MUST CHOOSE		Rush TAT Charge **	Report Format	EDDs
NJ EPH DRO (5 day TAT)	NJ EPH Fractionated (5 day TAT)		Results Only	SRP format
NJ EPH - C46 (5 day TAT)		24 hr - 100%... 48 hr - 75%... 72 hr - 50%... 96 hr - 35%... 5 day - 25%... 6-9 day 10%	Reduced Regulatory - 15% Surcharge applies Other (describe)	Lab approved custom EDD
DRO-8015 (3-day TAT)	QAM025 (5 day TAT)			NO EDD/CD REQ'D
Verbal/Fax: Std 2 wk unless otherwise specified				
24 hr**	48 hr**	72 hr**	96 hr**	1 wk**
Other** (specify):				
Hard Copy: Std 3 week *	Other - call for price		Cooler Temp	4 °C

SAMPLE INFORMATION

Client ID	Depth (ft only)	Sampling				TCL PCB	HCl	HNO3	MeOH	H2SO4	NaOMZN	Sterile
		Date	Time	Matrix	# container s							
GG-38(3.0-4.0)		10/9/13	10:54	S	1	9	x					
BB-41S(5.0-6.0)			11:40	S	1	10	x					
CC-29N(5.0-6.0)			12:15	S	1	11	x					
DD-38E(4.0-5.0)			1:06	S	1	12	x					
DD-38E(5.0-(6.0))			1:01	S	1	13	x					
FF-36N(5.0-6.0)			1:33	S	1	14	x					
FB-18			2:00	aq	2	15	x					

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Courier (check one): IAI Courier Client Courier FedEx UPS

	Signature/Company	Date	Time	Signature/Company	Date	Time
R	quished by:	10/9/13	14:12	Received by:	10/9/13	14:12
R	quished by:	10/9/13	1630	Received by:	10/9/13	1630
R	quished by:			Received by:		
R	quished by:			Received by:		
R	quished by:			Received by:		

Comments

Lab Case

PAGE: 2 of 2

L- COPIES - WHITE & YELLOW: CLIENT COPY - PINE



PROJECT INFORMATION

E13-10033: ARSYNCO

To: Jim Clabby
 JMC Environmental Consultants
 Fax: 1(732) 295-2150
 EMail: jclabby@jmcenvironmental.com; ah

Report To

JMC Environmental Consultants
 2109 Bridge Avenue
 Building B
 Point Pleasant, NJ 08742
 Attn: Jim Clabby

Bill To

JMC Environmental Consultants
 Aceto Corp.
 4 Tri Harbor Court
 Port Washington, NY 11050
 Attn: Mr. Ed Kelly

Report Format	P.O. #	Received At Lab	TPHC Due	Verbal Due	Hardcopy Due
Reduced	22126	Oct 09, 2013 @ 16:30	NA	Oct 23, 2013	Oct 30, 2013 *

* Any *Conditional or Hold* status will delay final hardcopy report sent date.

Diskette Req. SRP TXT

**** QC Requirement (must meet): NJ SRS**

Lab ID	Client Sample ID	Depth	Sampling Time	Matrix	Unit	Field pH/Temp
10033-001	HH-39 (0-1.0)	0/1	10/09/13 @ 10:05	Soil	mg/Kg (ppm)	
10033-002	HH-39 (1.0-2.0)	1/2	10/09/13 @ 10:06	Soil	mg/Kg (ppm)	
10033-003	HH-38 (0-1.0)	0/1	10/09/13 @ 10:25	Soil	mg/Kg (ppm)	
10033-004	HH-38 (1.0-2.0)	1/2	10/09/13 @ 10:26	Soil	mg/Kg (ppm)	
10033-005	HH-38 (2.0-3.0)	2/3	10/09/13 @ 10:27	Soil	mg/Kg (ppm)	
10033-006	GG-38 (0-1.0)	0/1	10/09/13 @ 10:51	Soil	mg/Kg (ppm)	
10033-007	GG-38 (1.0-2.0)	1/2	10/09/13 @ 10:52	Soil	mg/Kg (ppm)	
10033-008	GG-38 (2.0-3.0)	2/3	10/09/13 @ 10:53	Soil	mg/Kg (ppm)	
10033-009	GG-38 (3.0-4.0)	3/4	10/09/13 @ 10:54	Soil	mg/Kg (ppm)	
10033-010	BB-41S (5.0-6.0)	5/6	10/09/13 @ 11:40	Soil	mg/Kg (ppm)	
10033-011	CC-39N (5.0-6.0)	5/6	10/09/13 @ 12:15	Soil	mg/Kg (ppm)	
10033-012	DD-38E (4.0-5.0)	4/5	10/09/13 @ 13:00	Soil	mg/Kg (ppm)	
10033-013	DD-38E (5.0-6.0)	5/6	10/09/13 @ 13:01	Soil	mg/Kg (ppm)	
10033-014	FF-36N (5.0-6.0)	5/6	10/09/13 @ 13:33	Soil	mg/Kg (ppm)	
10033-015	FB-18	NA	10/09/13 @ 14:00	Aqueous	mg/L (ppm)	

Sample #	Test	Status	QA Method	TAT	Holding Time Expires
001	TCL PCB	Analyze	8082A	STD/2 WKS	10/23/2013
002	TCL PCB	Analyze	8082A	STD/2 WKS	10/23/2013
003	TCL PCB	Analyze	8082A	STD/2 WKS	10/23/2013
004	TCL PCB	Analyze	8082A	STD/2 WKS	10/23/2013
005	TCL PCB	Analyze	8082A	STD/2 WKS	10/23/2013
006	TCL PCB	Analyze	8082A	STD/2 WKS	10/23/2013
007	TCL PCB	Analyze	8082A	STD/2 WKS	10/23/2013
008	TCL PCB	Analyze	8082A	STD/2 WKS	10/23/2013



PROJECT INFORMATION

E13-10033: ARSYNCO

Sample #	Test	Status	QA Method	TAT	Holding Time Expires
009	TCL PCB	Analyze	8082A	STD/2 WKS	10/23/2013
010	TCL PCB	Analyze	8082A	STD/2 WKS	10/23/2013
011	TCL PCB	Analyze	8082A	STD/2 WKS	10/23/2013
012	TCL PCB	Analyze	8082A	STD/2 WKS	10/23/2013
013	TCL PCB	Analyze	8082A	STD/2 WKS	10/23/2013
014	TCL PCB	Analyze	8082A	STD/2 WKS	10/23/2013
015	TCL PCB	Analyze	8082A	STD/2 WKS	10/16/2013

INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: E 13

10033

CLIENT:

JMC

COOLER TEMPERATURE: 2° - 6°C:

(See Chain of Custody)

Comments

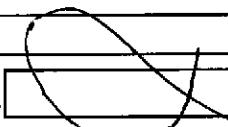
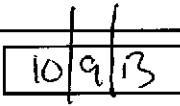
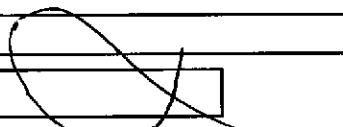
COC: **COMPLETE** / INCOMPLETE

KEY

 = YES/NAVOA received: Encore IGW - Methanol = NO(check one) Terra Core No Preservative Bottles Intact no-Missing Bottles no-Extra Bottles Sufficient Sample Volume no-headspace/bubbles in VOs Labels intact/correct pH Check (exclude VOs)¹ Correct bottles/preservative Sufficient Holding/Prep Time¹ Multiphasic Sample Sample to be Subcontracted Chain of Custody is Clear

¹ All samples with "Analyze Immediately" holding times will be analyzed by this laboratory past the holding time. This includes but is not limited to the following tests: pH, Temperature, Free Residual Chlorine, Total Residual Chlorine, Dissolved Oxygen, Sulfite.

ADDITIONAL COMMENTS: _____

SAMPLE(S) VERIFIED BY: INITIAL DATE  10/9/13CORRECTIVE ACTION REQUIRED: YES 

SEE BELOW

NO If COC is NOT clear, **STOP** until you get client to authorize/clarify work.

CLIENT NOTIFIED:

YES  Date/ Time: _____ NO 

PROJECT CONTACT: _____

SUBCONTRACTED LAB: _____

DATE SHIPPED: _____

ADDITIONAL COMMENTS: _____

VERIFIED/TAKEN BY: INITIAL DATE  10/11/13

E13-10033

REV 03/2013

Laboratory Custody Chronicle

IAL Case No.

E13-10033

Client JMC Environmental Consultants

Project ARSYNCO

Received On 10/ 9/2013@16:30

Department: GC

			<u>Prep. Date</u>	<u>Analyst</u>	<u>Analysis Date</u>	<u>Analyst</u>
TCL PCB	10033-001	Soil	10/11/13	Archimede	10/14/13	Justyna
"	-002	"	10/11/13	Archimede	10/14/13	Justyna
"	-003	"	10/11/13	Archimede	10/14/13	Justyna
"	-004	"	10/11/13	Archimede	10/14/13	Justyna
"	-005	"	10/11/13	Archimede	10/14/13	Justyna
"	-006	"	10/11/13	Archimede	10/14/13	Justyna
"	-007	"	10/11/13	Archimede	10/14/13	Justyna
"	-008	"	10/11/13	Archimede	10/14/13	Justyna
"	-009	"	10/11/13	Archimede	10/14/13	Justyna
"	-010	"	10/11/13	Archimede	10/14/13	Justyna
"	-011	"	10/11/13	Archimede	10/14/13	Justyna
"	-012	"	10/11/13	Archimede	10/14/13	Justyna
"	-013	"	10/14/13	Archimede	10/14/13	Justyna
"	-014	"	10/14/13	Archimede	10/14/13	Justyna
"	-015	Aqueous	10/14/13	Archimede	10/15/13	Justyna